

SERVICE MANUAL

SYSTEM-70

TT-702DP

AM/FM STEREO TUNER

TA-705BR

HI-FI STEREO AMPLIFIER

TE-707SG

GRAPHIC EQUALIZER

TD-703DMS

STEREO DOUBLE CASSETTE DECK

TRM-718BR

REMOTE CONTROL BOX

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TD-703DMS STEREO DOUBLE CASSETTE DECK

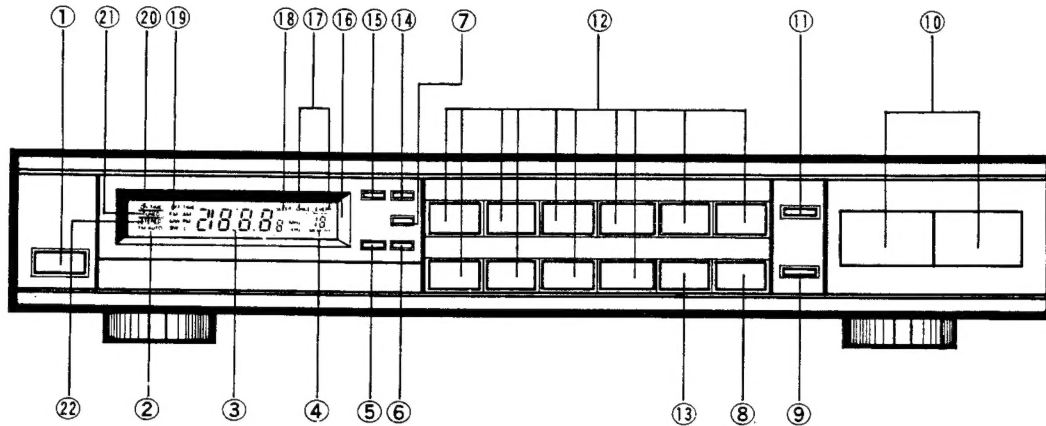
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TRM-718BR REMOTE CONTROL BOX

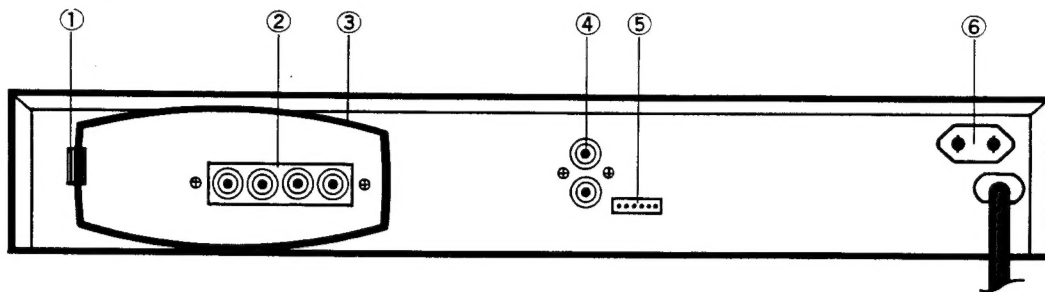
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MODEL NO. **TT-702DP** AM/FM STEREO TUNER

FRONT PANEL



REAR PANEL



FRONT PANEL FEATURES

1. **Power Button**
Each press of the button commutes the change in order of Tuner ON and stand by stand by state is display clock only and reception is not available.
2. **FM Auto Indicator**
Lights when the FM MODE button is placed in FM Auto mode during FM reception.
3. **Display**
Displays current time, timer ON/OFF time, sleep time and radio frequency (normally displays current time).
4. **Memory Indicator**
Flashes for 5 seconds when the MEMORY button is pressed.
5. **Timer Mode Selection Button (Timer SELECT)**
Press this button to bring up the **ONCE** display when turning on the timer one time only, to bring up the **EVERY** display when turning on the timer at the same time every day, and to clear the display when not using the timer.

6. **Timer Set Button**
Press when using the timer.

7. **Sleep Button**
Functions as a 60-minute sleep timer when this button is pressed.
8. **Memory Scan Button (M-SCAN)**
Press this button to start memory scanning, and to stop the scanning, press it again.

2 BAND (MW, FM) ONLY

9. **Band Selector Button**
Use to select MW, FM reception. Each press of the button commutes the reception in order of FM, MW.
10. **Up/Down Buttons**
Press to select stations, set the clock, set the timer, and adjust the sleep time.
Each time the Up/Down button is pressed, the tuned frequency increases or decreases in the following manner:
FM : 0.1 MHz steps
MW: 9 KHz stpes

If either button is held down for more than half a second, the frequency will increase or decrease, until a frequency is tuned.

To exit auto tuning mode, press either button once more.

TT-703DPL

■ 3 BAND (MW, LW, FM) ONLY

9. Band Selector Button

Use to select MW, LW or FM reception. Each press of the button commutes the reception in order of FM, MW and LW.

10. Up/Down Buttons

Press to select stations, set the clock, set the timer, and adjust the sleep time.

Each time the Up/Down button is pressed, the tuned frequency increases or decreases in the following manner:

FM : 0.05 MHz steps

MW: 9 KHz steps

LW : 1 KHz steps

If either button is held down for more than half a second, the frequency will increase or decrease, until a frequency is tuned.

To exit auto tuning mode, press either button once more.

TT-703DPS

■ 3 BAND (MW, SW, FM) ONLY

9. Band Selector Button

Use to select MW, SW or FM reception. Each press of the button commutes the reception in order of FM, MW and SW.

10. Up/Down Buttons

Press to select stations, set the clock, set the timer, and adjust the sleep time.

Each time the Up/Down button is pressed, the tuned frequency increases or decreases in the following manner:

FM : 0.05 MHz steps

MW: 9 KHz steps

SW : 5 KHz steps

If either button is held down for more than half a second, the frequency will increase or decrease, until a frequency is tuned.

To exit auto tuning mode, press either button once more.

11. FM Mode Button

When this button is pressed and the FM Auto indicator lights, FM reception is either in stereo or in monaural according to the station being received is broadcasting in stereo or in monaural. When the FM Auto indicator is not lighting, the reception is always monaural even if the broadcast is in stereo.

This button functions only when the BAND selector button is set for FM reception.

12. Station Selector (Preset) Buttons

Use these buttons to (1) preset a frequency or (2) recall a preset frequency.

13. Memory Button

Use this button to place frequencies in the memory for the preset STATION channels (1 to 10/ +10). Press this button ("MEMORY" appears on the display) and then one of the preset STATION buttons to place the currently tuned frequency in that channel. If no preset STATION button is pressed, the "MEMORY" display goes out after about four seconds. The preset STATION can easily be changed by following the above procedure once again.

14. Clock Set Button

Press to set the current time.

15. Display Button.

16. Station Preset Indicator

Lights when the STATION selector preset button is pressed.

17. Timer Mode Indicator

Press the TIMER SELECT button to turn on the timer, selecting either ONCE Or EVERY. Also, press the TIMER SELECT button to clear the display when the timer is no longer used.

18. Sleep Indicator

Displayed when the sleep timer is on.

19. OFF Time Indicator

Indicates when the timer is to turn off.

20. ON Time Indicator

Indicates when the timer is to turn on.

21. Tuned Indicator

Lights when the optimum tuning point has been reached for the radio broadcast being listened to.

22. Stereo Indicator

Lights when an FM stereo broadcast is being received and the FM MODE button is in the FM-AUTO position.

REAR PANEL CONNECTIONS

- 1. AM Antenna Holder**
An AM loop antenna (included with this unit) is attached to the rear panel of the unit.
- 2. Antenna Terminal**
Connect the wires to this antenna terminal from AM loop antenna and FM T-antenna.
- 3. Loop Antenna**
Connect the wires from this antenna to the AM antenna terminals on the rear panel of this unit and then set the antenna to the angle with the best reception.
- 4. Output Terminal**
Connect the connector to amplifier.
- 5. Remote Terminal**
Connections to the Amplifier.
Connect the connection cable extending from the rear panel of this unit to the amplifier's TUNER REMOTE TERMINAL.
- 6. AC Outlet Terminal**
This terminal is amplifier's main power source. Connect the amplifier's AC cord and this outlet operates with switched.

NOTE:

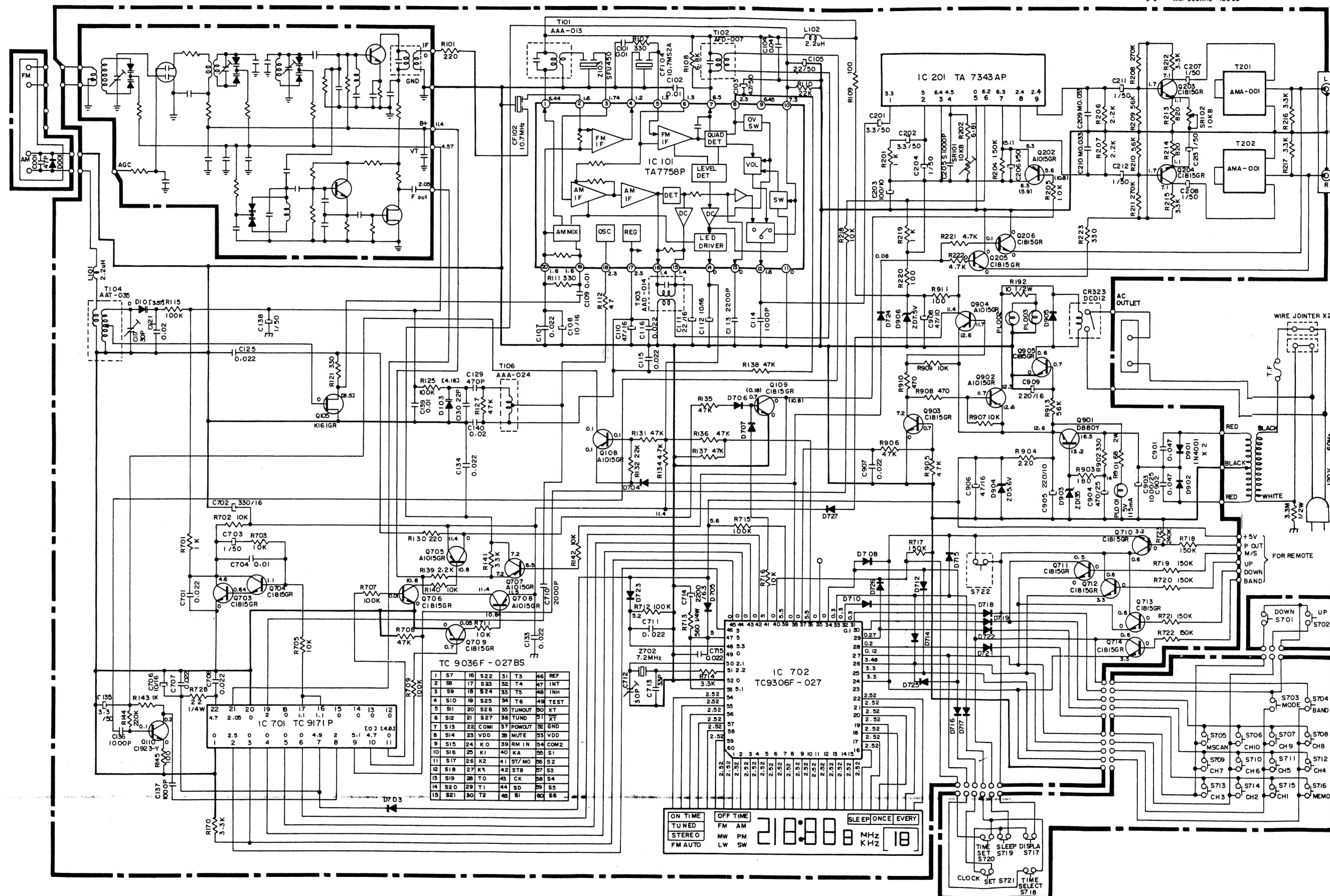
- **Connecting the Outdoor FM Antenna**
If the FM STEREO indicator does not light or flashes on and off while a stereo FM broadcast is being received or if sound quality is poor, you should use an outdoor FM antenna instead of the indoor antenna. Terminals is provided for 300 ohm aerial only.
- When interruption of power source memory keep up time is about 48 Hours, within 48 hours power source will supply, this unit maintenance the memory but re-adjust present time.

SPECIFICATIONS

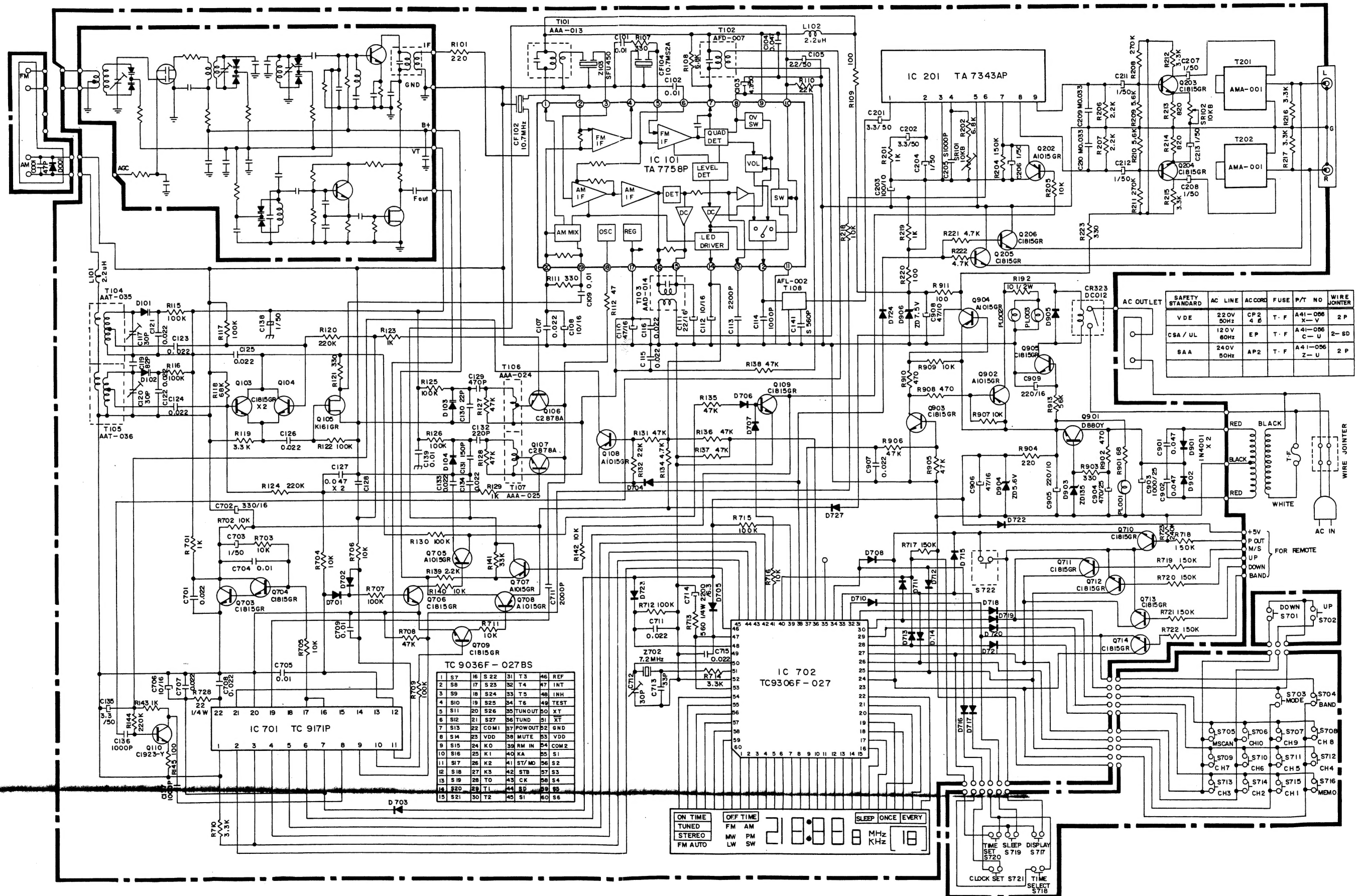
Frequency Range	: FM 87.5 – 108.0 MHz (0.1 MHz step) MW 531 – 1602 KHz (9 KHz step)
Sensitivity	: FM 2.0 μ V MW 500 μ V
S/N Radio	: FM Mono : 65 dB : FM Stereo: 60 dB MW : 50 dB
FM Thd	: Mono : 0.3% Stereo: 0.5%
Frequency Response	: 30 Hz – 15 KHz
Selectivity	: 60 dB
Stereo Separation	: 40 dB (1 KHz)
Power Supply Voltage	: Safety Standard
Power Consumption	: 10 W
Demension	: 420(w) \times 65(H) \times 253(D)mm
Weight	: 2.7 Kg

MODEL NO. TT-702DP SCHEMATIC DIAGRAM

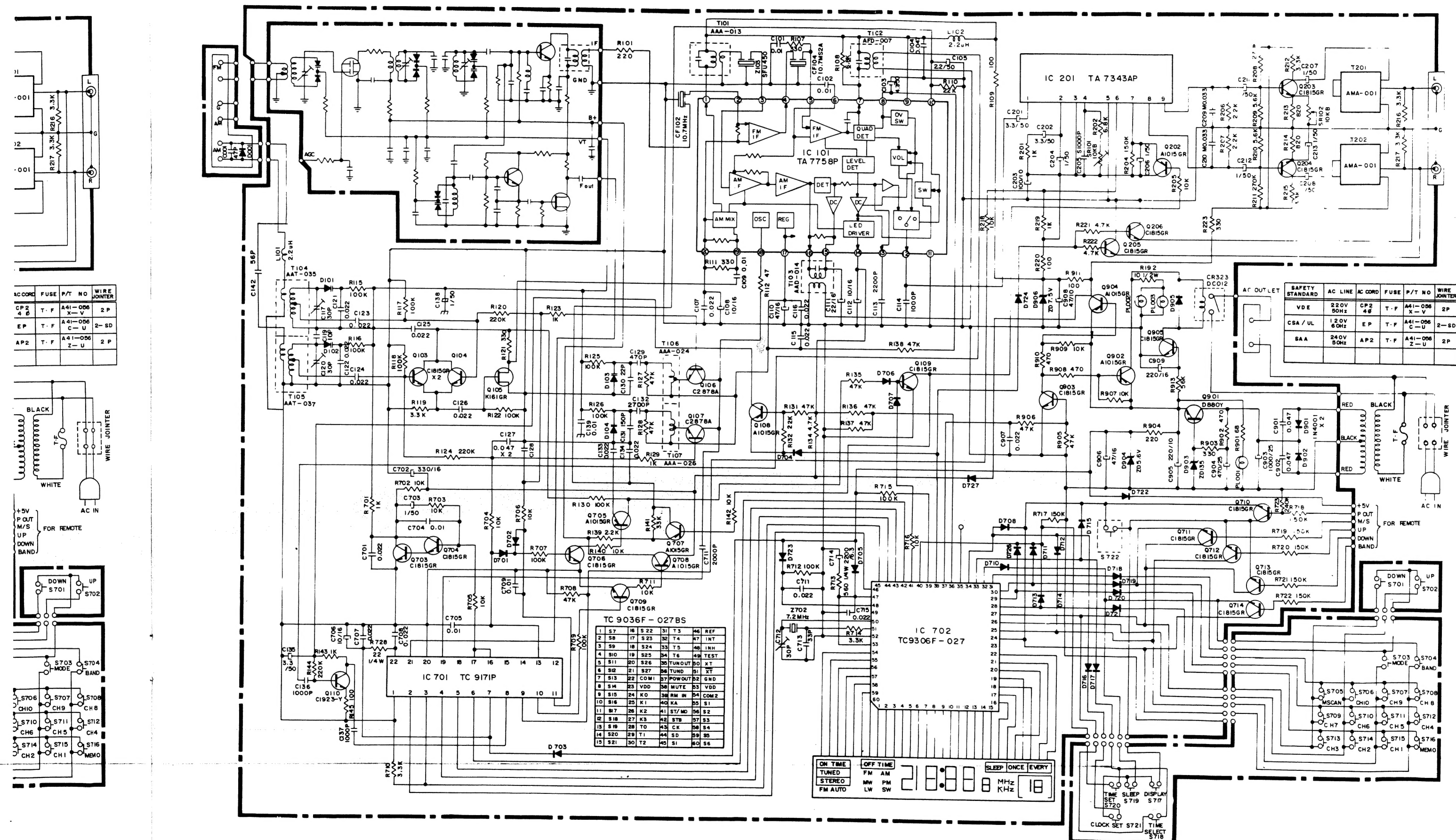
FM 98MHz 60dB MONO
() FM 98MHz 60dB STEREO
[] AM 999KHz 100dB



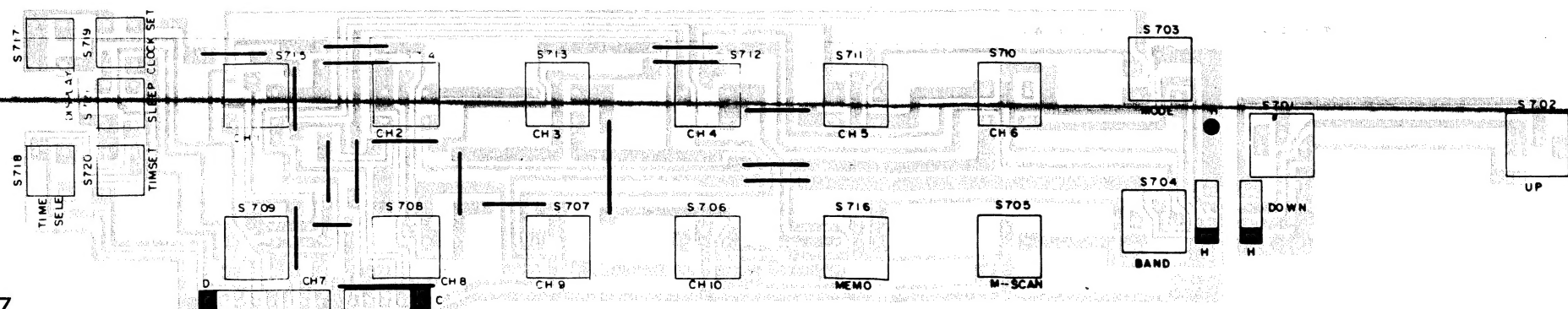
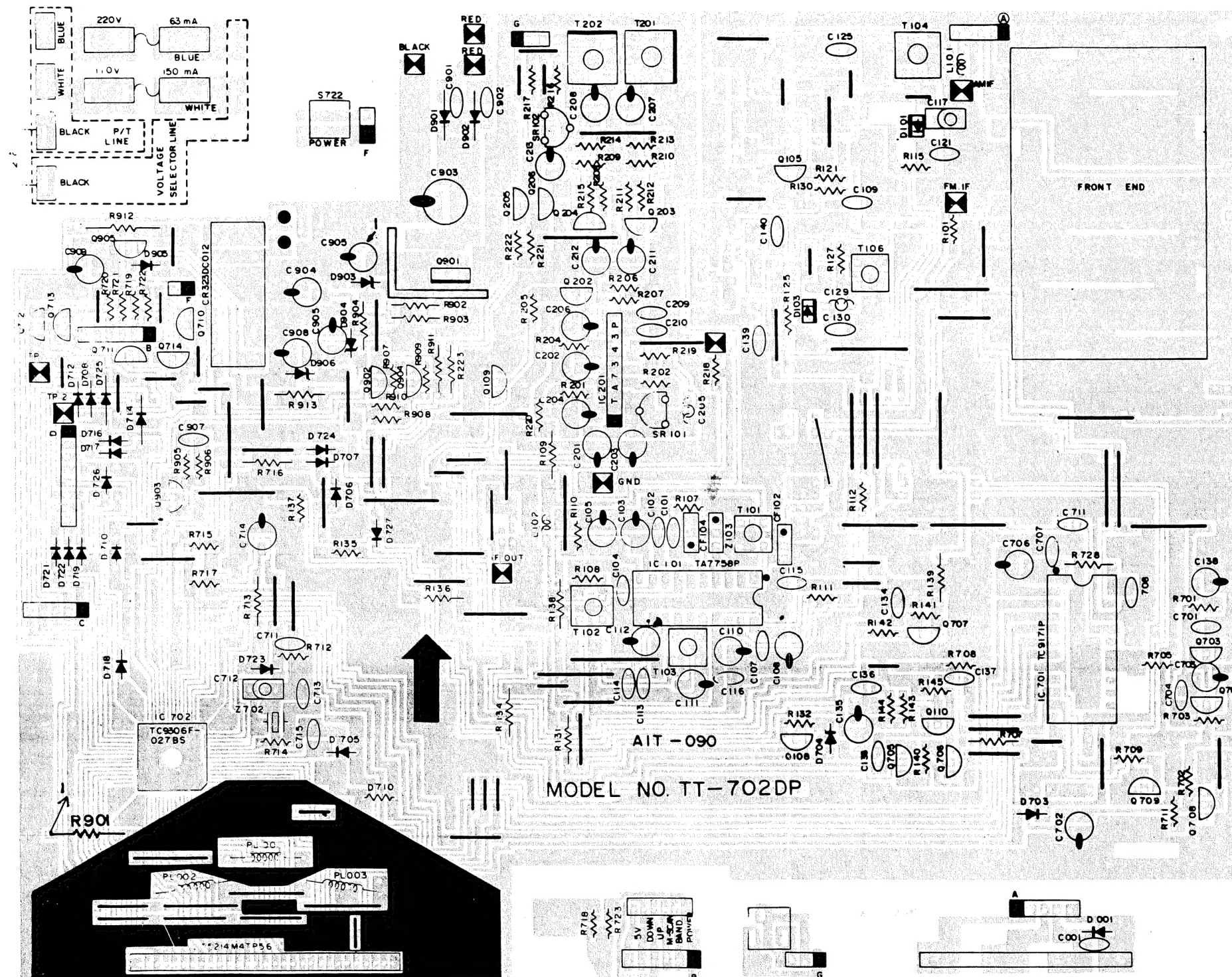
MODEL NO. TT-703DPL SCHEMATIC DIAGRAM



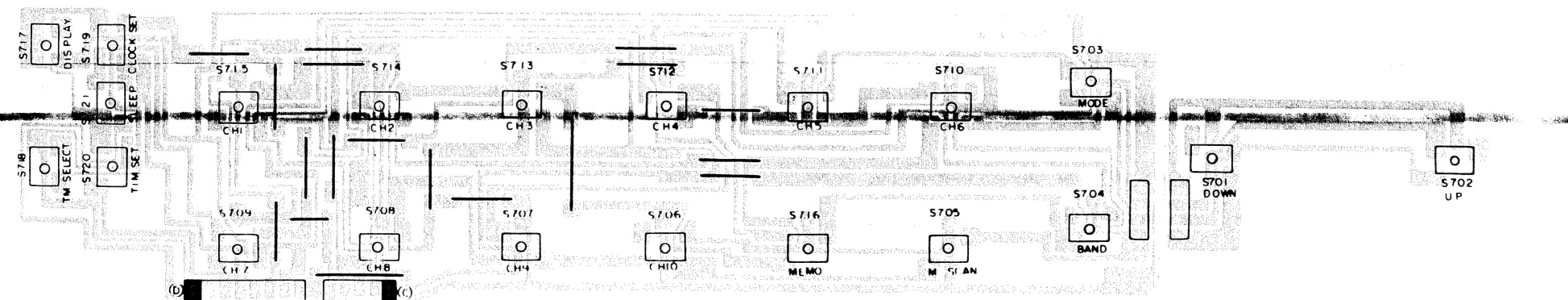
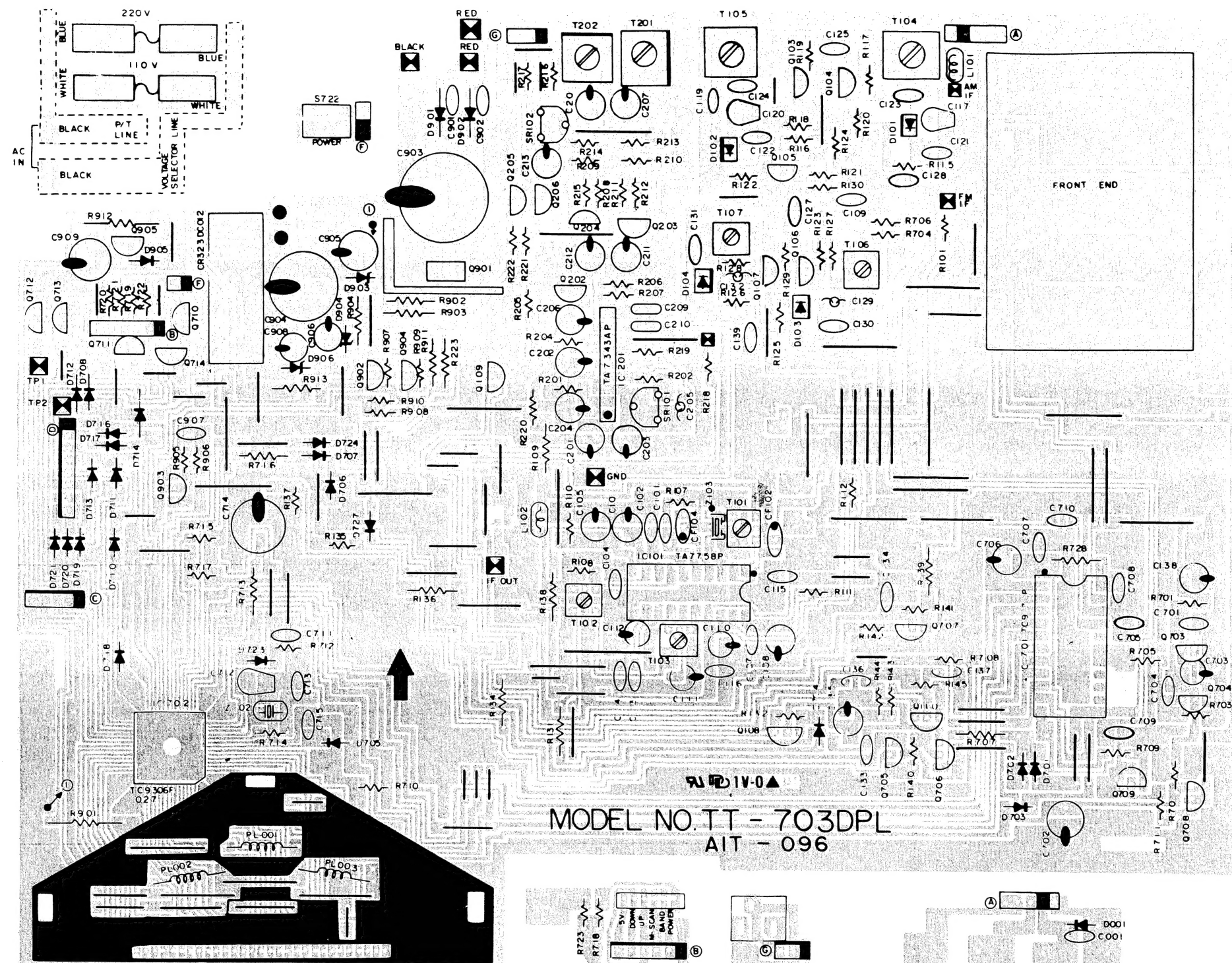
MODEL NO. TT-703DPS SCHEMATIC DIAGRAM



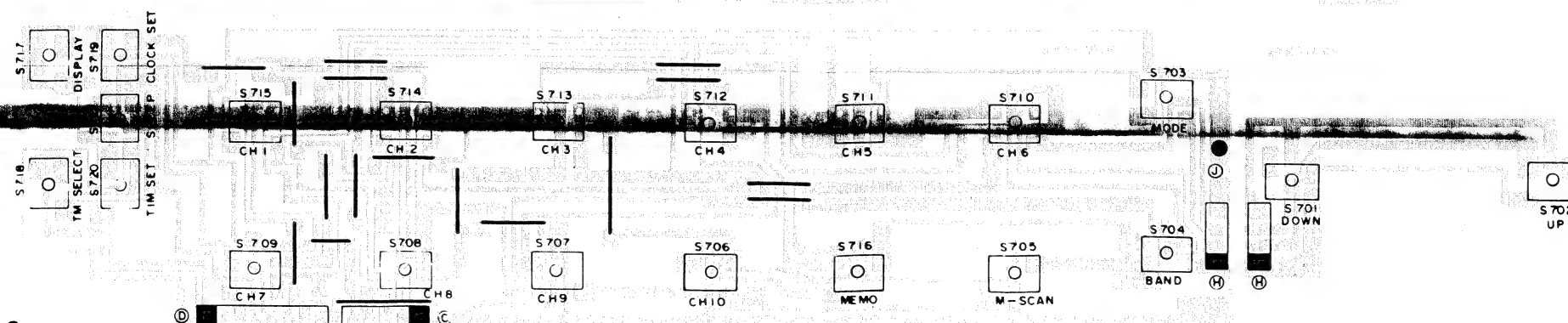
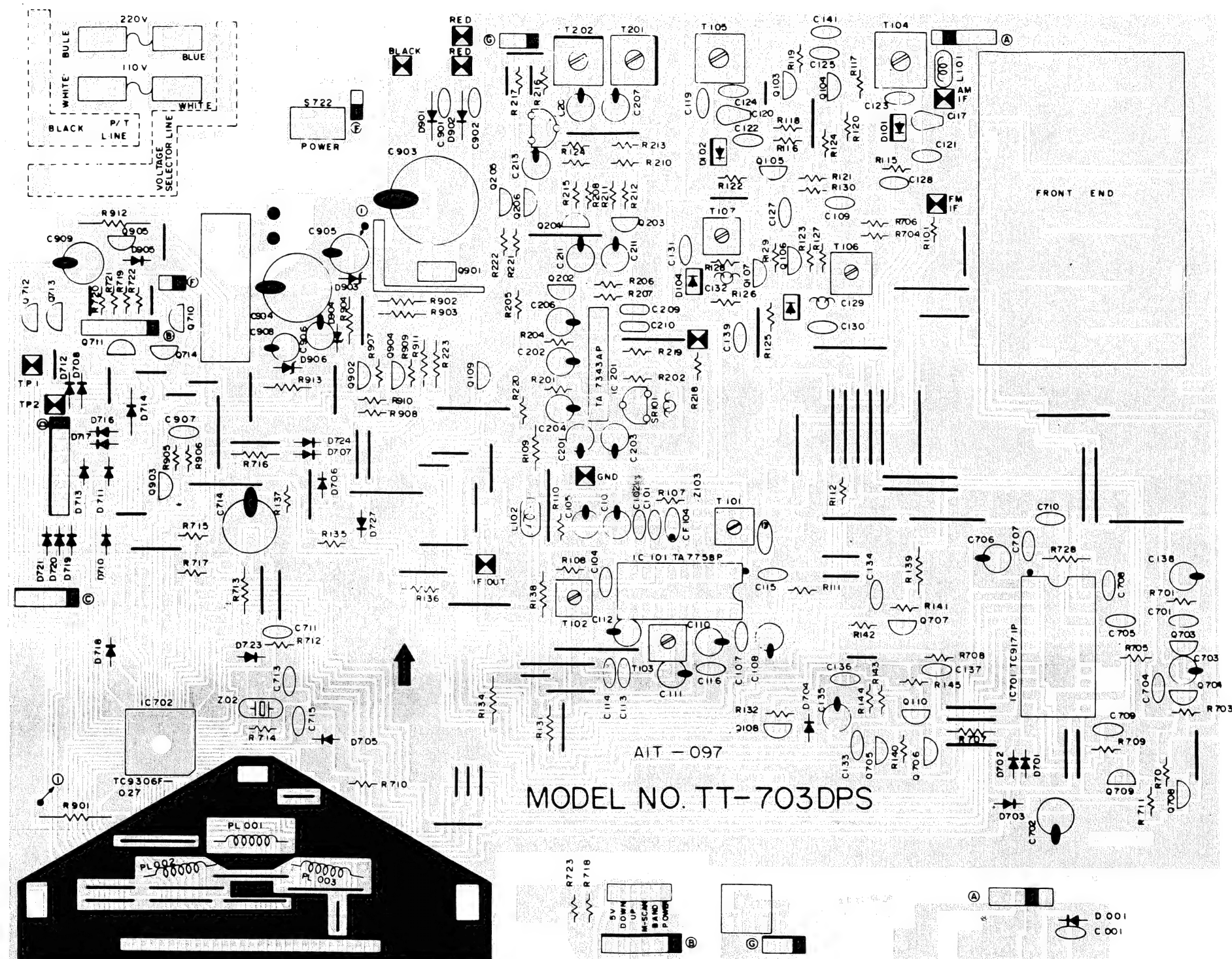
MODEL NO. TT-702DP PCB LAYOUT



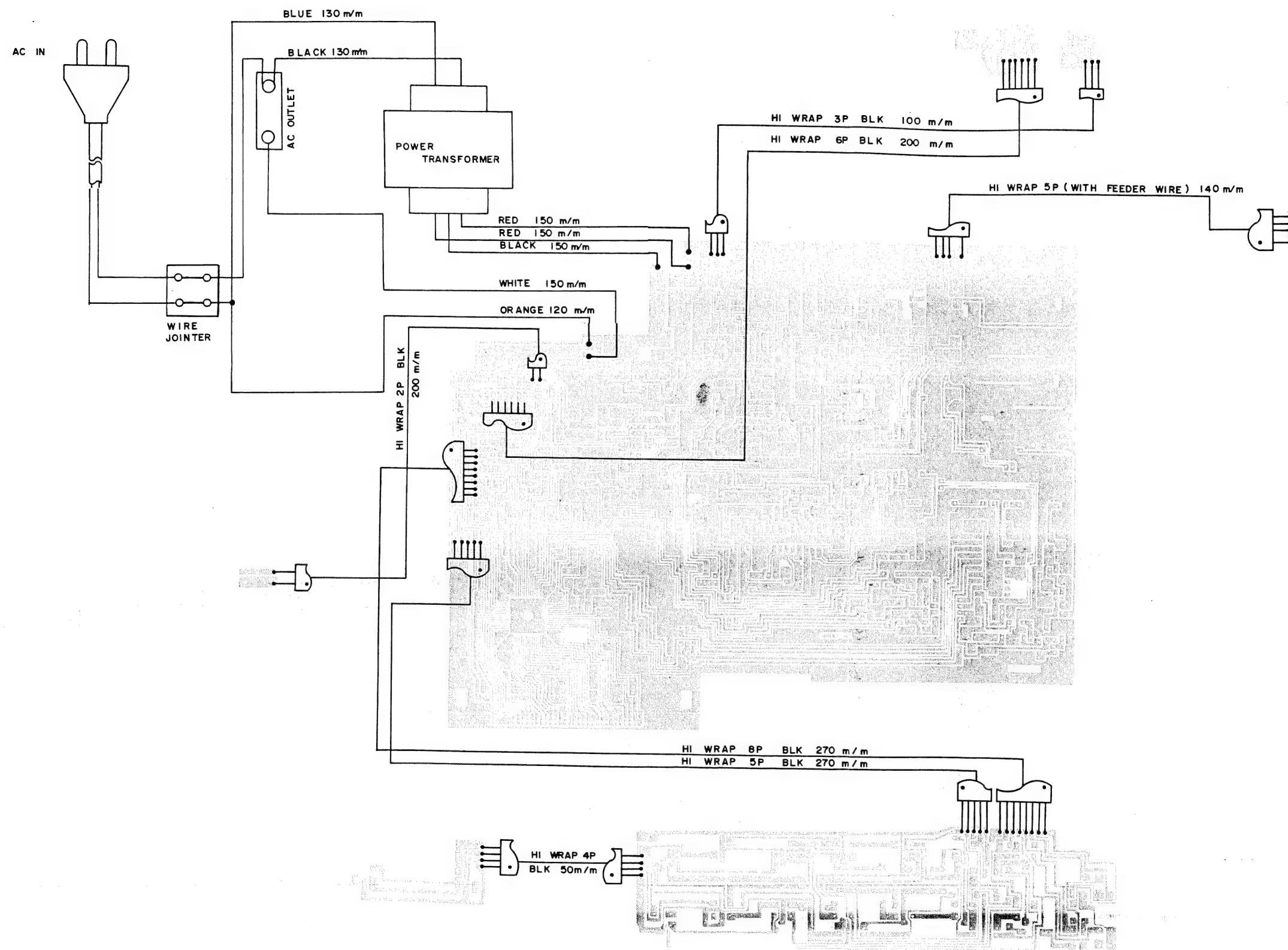
MODEL NO. TT-703DPL PCB LAYOUT



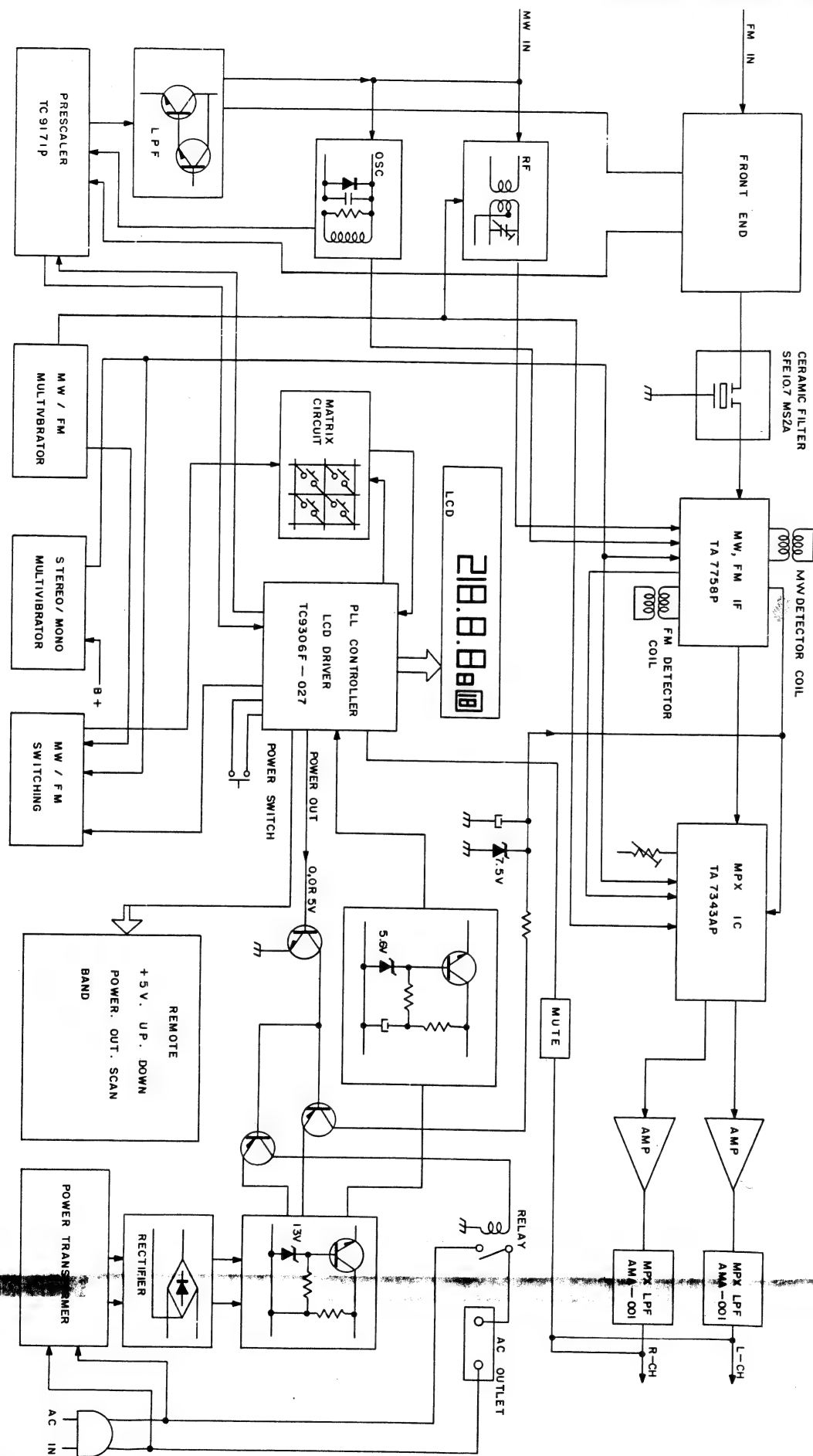
MODEL NO. TT-703DPS
PCB LAYOUT



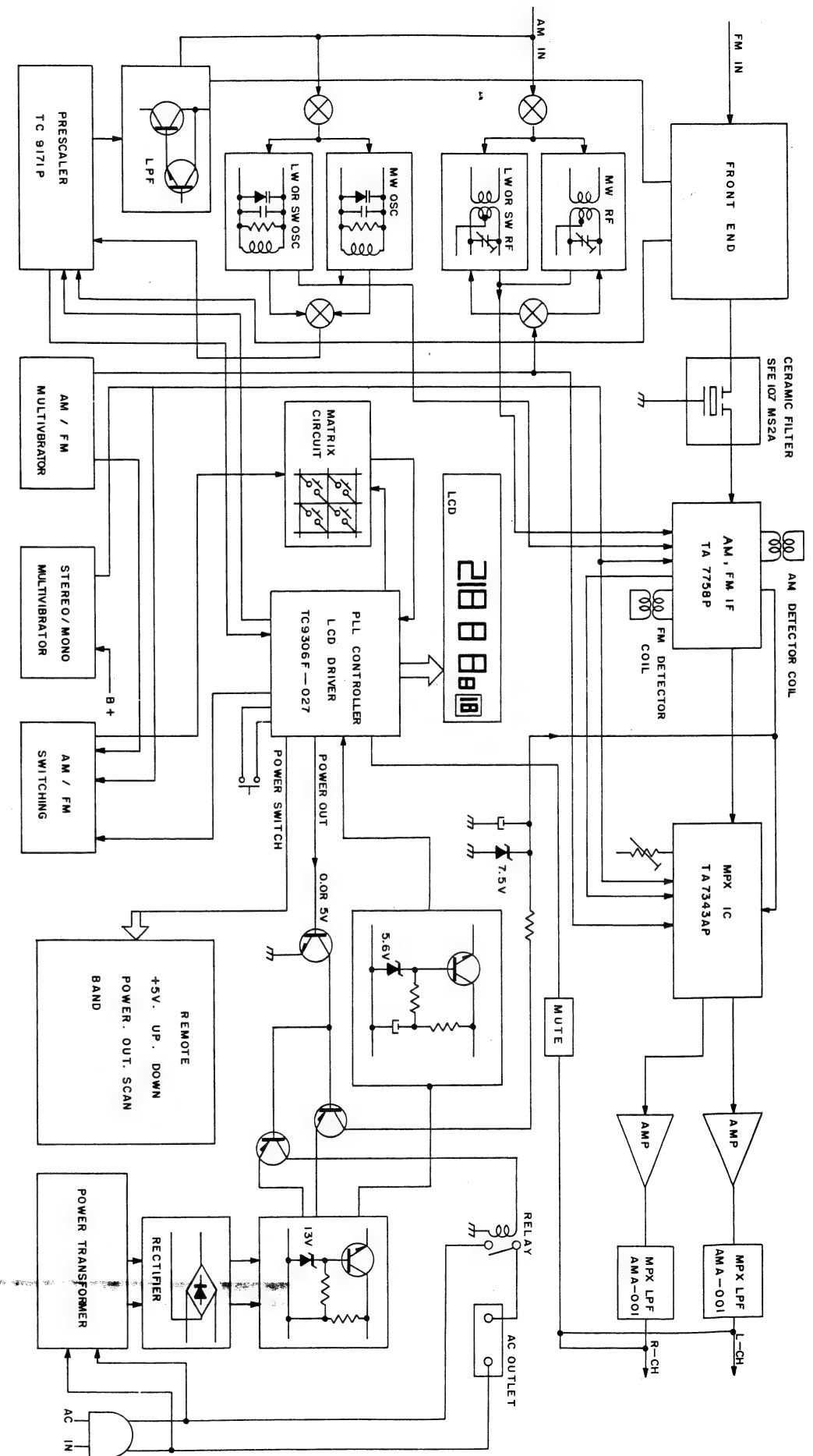
MODEL NO. TT-702DP-703DPL-703DPS
WIRING DIAGRAM



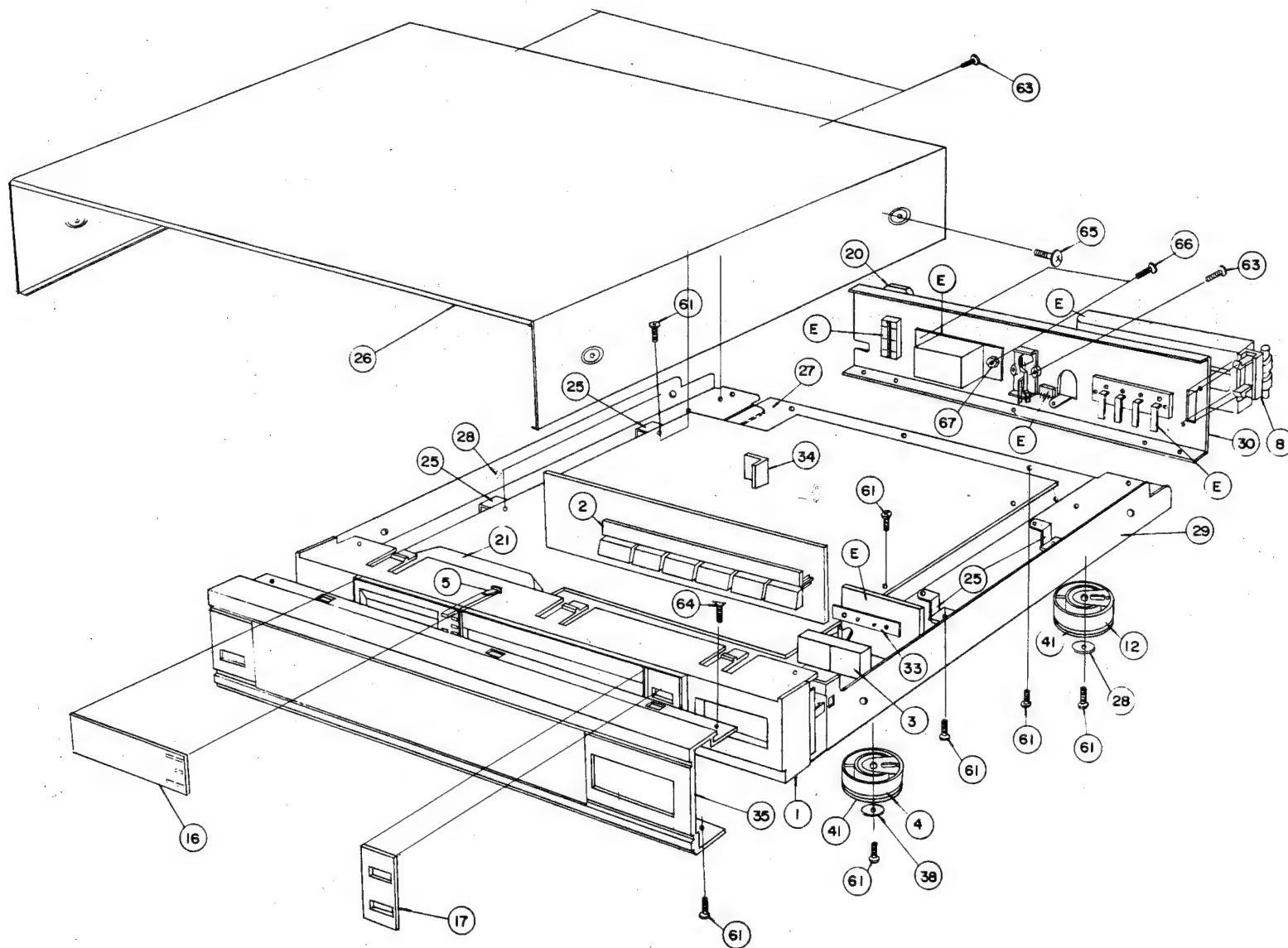
MODEL NO. TT-702DP
BLOCK DIAGRAM



MODEL NO. TT-703DPL.DPS
BLOCK DIAGRAM



MODEL NO. TT-702DP
EXPLODED VIEW



MODEL NO.TT-702DP
ELECTRICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	LOCATION
IC	PC	1	TC9306F 027BS	IC702
IC	PC	1	TC9171P	IC701
IC	PC	1	TA7758P	IC101
IC	PC	1	TA7343AP	IC201
LAMP	PC	1	5V 115mA SL8804-05115	PL001
LAMP	PC	2	12V 40mA SL8811-102040	PL002, 003
LCD	PC	1	LT5214M 4TP56	
VVC DIODE	PC	2	ISV149, OR ISV149B (PAIR)	D101, 103
X-TAL	PC	1	X-TAL 7200	Z702
SEMI FIXED RESISTOR	PC	2	SEMI VR 103B	SR101, 102
TACT SWITCH	PC	17	KHH15902	S701, 702, 703, 704, S705, 706, 707, 708, S709, 710, 711, 712, S713, 714, 715, 716, S722 S717, 718, 719, S720, 721
TACT SWITCH	PC	5	KHH10902	
PC BOARD	PC	1	AIT090	
FRONT END	PC	1	OE1020, OR8-4-101	
ANTENNA TERMINAL	PC	1	4P, AS4-1028A	
RCA JACK	PC	1	2P, AP2-0028	
T-ANTENNA ASS'Y (W/Y TERMINAL)	PC	1	Z = 300OHM, L = 3.5m	
AM LOOP ANTENNA ASS'Y	PC	1	AAT-033	
RELAY	PC	1	CR323DC012	
POWER TRANSFORMER	PC	1	SAFETY STANDARD	
AC CORD W/PLUG	PC	1	SAFETY STANDARD	
AC OUTLET	PC	1	SAFETY STANDARD	
PHONE CORD	PC	1	2P, RCA BOTH L:0.6m	
FM CERAMIC FILTER	PC	2	SFE10.7, MS2A	CF102, 104
AM CERAMIC FILTER	PC	1	SFU450B	Z103
CHOKO COIL	PC	2	2.2uH, MOLDING	L101, 102
LOW PASS FILTER COIL	PC	2	AMA001	T201, 202
MW ANTENNA COIL	PC	1	AAT035	T104
MW OSC COIL	PC	1	AAO-024	T106
AM IFT A	PC	1	AAA-013	T101
AM IFT (DET)	PC	1	AAD-004	T103
FM IFT (DET)	PC	1	AFD-007	T102
TRIMMER	PC	2	30p, CVN-630	C117, 712
TRANSISTOR	PC	1	KTD880Y	Q901
FET	PC	1	KTK161GR	Q105
TRANSISTOR	PC	16	KTC1815-GR	Q109, 710, 711, 712, Q713, 714, 903, 905, Q203, 204, 205, 206, Q703, 704, 706, 709 Q110
TRANSISTOR	PC	1	KTC1923-Y	Q108, 202, 705, 707, Q708, 902, 904
TRANSISTOR	PC	7	KTA1015-GR	D901, 902 D001, 703, 704, 705, D706, 707, 708, 710, D712, 716, 717, D718, 719, 720, D721
RECTIFIER DIODE	PC	2	IN4001	
SI DIODE	PC	21	IS2473	

MODEL NO.TT-702DP
ELECTRICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	LOCATION
ZENER DIODE	PC	1	05AZ5.6	D904
ZENER DIODE	PC	1	05AZ7.5	D906
ZENER DIODE	PC	1	05AZ13	D903
CAPACITOR CERAMIC	PC	3	50V, 1000pF, K B	#C114, 136, 137
CAPACITOR CERAMIC	PC	5	50V, 0.01uF, Z F	#C101, 102, 109, #C139, 704 #C113, 710
CAPACITOR CERAMIC	PC	2	50V, 2200pF, K B	#C107, 115, 116, #C121 125, 133, #C134, 140, 701, #C707, 708, 711, #C715, 907
CAPACITOR CERAMIC	PC	14	50V, 0.022uF, Z F	#C901, 902, 104 #C130 #713 #C001 #C714 #C702 #C904 #C903 #C203 #C108, 112, 706 #C111 #C905, 909 #C110, 908 #C138, 204, 206, #C207, 208, 211, #C212, 213, 703 #C105 #C135, 201, 202 #C103 #C209, 210 #C205 #C129 #R145, 220 #R143, 201, 219, #R701 #R140, 142, 205, #R218, 702, 703, #R705, 711, 907, #R909, #R115, 125, 709, #R712, 715 #R204, 717, 718, #R719, 720, 721, #R722 #R101, 130 #R206, 207
CAPACITOR CERAMIC	PC	3	50V, 0.047uF, Z F	
CAPACITOR CERAMIC	PC	1	50V, 22pF, J SL	
CAPACITOR CERAMIC	PC	1	50V, 33pF, J SL	
CAPACITOR CERAMIC	PC	1	50V, 47pF, J SL	
CAPACITOR E/ALUMINUM	PC	1	6.3V, 2200uF, M-S 13 x 20	
CAPACITOR E/ALUMINUM	PC	1	16V, 330uF, M-S 10 x 12.5	
CAPACITOR E/ALUMINUM	PC	1	25V, 470uF, M-S 10 x 16	
CAPACITOR E/ALUMINUM	PC	1	35V, 1000uF, M-S 13 x 25	
CAPACITOR E/ALUMINUM	PC	1	10V, 100uF, M-T, 6.3 x 11	
CAPACITOR E/ALUMINUM	PC	3	16V, 10uF, M-T 4 x 7	
CAPACITOR E/ALUMINUM	PC	1	16V, 22uF, M-T 5 x 11	
CAPACITOR E/ALUMINUM	PC	2	16V, 220uF, M-T 8 x 11.5	
CAPACITOR E/ALUMINUM	PC	2	16V, 47uF, M-T 6.3 x 11	
CAPACITOR E/ALUMINUM	PC	9	50V, 1.0uF, M-T 4 x 7	
CAPACITOR E/ALUMINUM	PC	1	50V, 2.2uF, M-T 4 x 7	
CAPACITOR E/ALUMINUM	PC	3	50V, 3.3uF, M-T 4 x 7	
CAPACITOR E/ALUMINUM	PC	1	50V, 4.7uF, M-T 5 x 7	
CAPACITOR F/POLYESTR	PC	2	100V, 0.033uF, J-T 8.1 x 13	
CAPACITOR STYROL	PC	1	100V, 1000PF, J	
CAPACITOR STYROL	PC	1	100V, 470PF, J	
RESISTOR CARBON FILM	PC	2	1/5W, 100ohm, 5%	
RESISTOR CARBON FILM	PC	4	1/5W, 1Kohm, 5%	
RESISTOR CARBON FILM	PC	10	1/5W, 10Kohm, 5%	
RESISTOR CARBON FILM	PC	5	1/5W, 100Kohm, 5%	
RESISTOR CARBON FILM	PC	7	1/5W, 150Kohm, 5%	
RESISTOR CARBON FILM	PC	2	1/5W, 220ohm, 5%	
RESISTOR CARBON FILM	PC	2	1/5W, 2.2Kohm, 5%	

MODEL NO.TT-702DP
ELECTRICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	LOCATION
RESISTOR CARBON FILM	PC	2	1/5W, 22Kohm, 5%	#R110, 132
RESISTOR CARBON FILM	PC	1	1/5W, 220Kohm, 5%	#R144
RESISTOR CARBON FILM	PC	1	1/5W, 240Kohm, 5%	#R723
RESISTOR CARBON FILM	PC	2	1/5W, 270Kohm, 5%	#R208, 211
RESISTOR CARBON FILM	PC	3	1/5W, 330ohm, 5%	#R107, 111, 121
RESISTOR CARBON FILM	PC	6	1/5W, 3.3Kohm, 5%	#R212, 215, 216, #R217, 710, 714
RESISTOR CARBON FILM	PC	1	1/5W, 33Kohm, 5%	#R141
RESISTOR CARBON FILM	PC	1	1/5W, 47ohm, 5%	#R112
RESISTOR CARBON FILM	PC	2	1/5W, 470ohm, 5%	#R908, 910
RESISTOR CARBON FILM	PC	2	1/5W, 4.7Kohm, 5%	#R221, 222
RESISTOR CARBON FILM	PC	6	1/5W, 47Kohm, 5%	#R127, 135, 137, #R708, 905, 906
RESISTOR CARBON FILM	PC	2	1/5W, 56Kohm, 5%	#R209, 210
RESISTOR CARBON FILM	PC	2	1/5W, 6.8Kohm, 5%	#R108, 202
RESISTOR CARBON FILM	PC	2	1/5W, 820ohm, 5%	#R213, 214
RESISTOR CARBON FILM	PC	2	1/4W, 100ohm, 5%	#R109, 911
RESISTOR CARBON FILM	PC	1	1/4W, 10Kohm, 5%	#R716
RESISTOR CARBON FILM	PC	1	1/4W, 100Kohm, 5%	#R707
RESISTOR CARBON FILM	PC	1	1/4W, 180ohm, 5%	#R903
RESISTOR CARBON FILM	PC	1	1/4W, 22ohm, 5%	#R728
RESISTOR CARBON FILM	PC	1	1/4W, 220ohm, 5%	#R904
RESISTOR CARBON FILM	PC	1	1/4W, 2.2Kohm, 5%	#R139
RESISTOR CARBON FILM	PC	2	1/4W, 330ohm, 5%	#R223, 902
RESISTOR CARBON FILM	PC	1	1/4W, 4.7Kohm, 5%	#R134
RESISTOR CARBON FILM	PC	3	1/4W, 47Kohm, 5%	#R131, 136, 138
RESISTOR CARBON FILM	PC	1	1/4W, 560ohm, 5%	#R713
RESISTOR CARBON FILM	PC	1	1/4W, 56Kohm, 5%	#R913
RESISTOR CARBON FILM	PC	1	1/2W, 10ohm, 5%	#R912
RESISTOR JUMPER WIRE	M	6.3000	60mm-TX123	#/105
CAPACITOR E/ALUMINUM	PC	1	16V, 47uF, M-S 6.3 x 11	#C906
RESISTOR METAL OXIDE	PC	1	2W, 68ohm, 5%	#R901

MODEL NO.TT-702DP
MECHANICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	REMARKS
PANEL SUB	PC	1		
KNOB TACT SW	PC	2		
KNOB UP DOWN	PC	1		
KNOB POWER TACT	PC	1		
KNOB CLOCK	PC	5		
KNOB SELECTOR	PC	2		
HOLDER ANT TK	PC	1		
FOOT	PC	2		
FOOT	PC	2		
PLATE CLOCK	PC	1		
PLATE SELECTOR	PC	1		
BUSH-CORD	PC	1		
CASE LAMP 3518	PC	1		
SHEET DEFFUSE 70	PC	1		
CABLE TIE	PC	5		
BRACKET PCB	PC	5		
STEEL CABINET	PC	1		
BOTTOM MAIN	PC	1		
SIDE BTM L	PC	1		
SIDE BTM R	PC	1		
CHASSIS BACK	PC	1		
SPRING UP DOWN	PC	1		
HEAT SINK	PC	1		
PANEL FRONT	PC	1		
FIBER AC BLOCK	PC	1		
WASHER PLAIN	PC	2	ø8 x 3.2 x 0.5t	
RECTANGLE WASHER B	PC	2		
FIBER WASHER	PC	2	ø8 x 3.2 x 0.5t	
FOOT CUSHION	PC	4		
CUSHION R, L	PC	2		
GIFT BOX	PC	1		
POLY BAG(S)	PC	1		
WARRANTY CARD	PC	1		
INSPECTION LABEL	PC	1		
SILICAGEL	PC	1		
LABEL 63 mA	PC	1		
SCREW TAPPING	PC	25	BH T2T ø3 x 8 Fe-Zy	
SCREW TAPPING	PC	9	BH T2T ø3 x 10 Fe-Zy	
SCREW TAPPING	PC	6	BH T2T ø3 x 8 Fe-Zs	
SCREW TAPPING	PC	2	FH T2T ø3 x 8 Fe-Zs	
SCREW TAPPING	PC	4	BH T3T ø4 x 8 Fe-Zs	
SCREW TAPPING	PC	1	ø3 x 8 Fe-Zy	
SCREW TAPPING	PC	2	BH M4 x 8 Fe-Zs	
SCREW TAPPING	PC	1	BH T2T ø3 x 14 Fe-Zy	

MODEL NO.TT-703DPL
ELECTRICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	LOCATION
IC	PC	1	TC9306F 027BS	IC702
IC	PC	1	TC9171P	IC701
IC	PC	1	TA7758P	IC101
IC	PC	1	TA7343AP	IC201
LAMP	PC	1	5V, 115mA SL8804-05115	PL001
LAMP	PC	2	12V, 40mA SL8811-102040	PL002, 003
LCD	PC	1	LT5214M-4TP56	
WC DIODE	PC	4	ISV149 OR ISV149BC	D101, 102, 103, D104
X-TAL	PC	1	X-TAL 7200	Z702
SEMI FIXED RESISTOR	PC	2	SEMI VR 103B	SR101, 102
TACT SWITCH	PC	17	KHH15902	S701, 702, 703, S704, 705, 706, S707, 708, 709, S710, 711, 712, S713, 714, 715, S716, 722, S717, 718, 719, S720, 721
TACT SWITCH	PC	5	KHH10902	
PC BOARD	PC	1	AIT096	
FRONT END	PC	1	75ohm OE-1021	
ANTENNA TERMINAL	PC	1	PAL 75ohm, AK 1/2-1058	
RCA JACK	PC	1	CP2 4ø	
T-ANTENNA ASS'Y (W/Y TERMINAL)	PC	1	75ohm, AFN-002	
AM LOOP ANTENNA ASS'Y	PC	1	AAT-033	
RELAY	PC	1	CR323DC012	
POWER TRANSFORMER	PC	1	SAFETY STANDARD	
AC CORD W/PLUG	PC	1	SAFETY STANDARD	
WIRE JOINTER	PC	1	SAFETY STANDARD	
AC OUTLET	PC	1	SAFETY STANDARD	
PHONE CORD	PC	1	2P RCA BOTH L:0.6m	
FM CERAMIC FILTER	PC	2	SFE10.7 MS2A	CF102, 104,
AM CERAMIC FILTER	PC	1	SFU450B	Z103
LW ANTENNA COIL	PC	1	AAT-036	T105
CHOKE COIL	PC	2	2.2uH, MOLDING	L101, 102
LOW PASS FILTER COIL	PC	2	AMA001	T201, 202
MW ANTENNA COIL	PC	1	AAT-035	T104
MW OSC COIL	PC	1	AAO-024	T106
AM IFT A	PC	1	AAO-013	T101
AM IFT (DET)	PC	1	AAD-004	T103
FM IFT (DET)	PC	1	AFD-007	D102
LW OSC COIL	PC	1	AAO-025	T107
TRIMMER	PC	3	30P CVN630	C117, 712, 120
TRANSISTOR	PC	1	KTD880Y	Q901
FET	PC	1	KTK161GR	Q105
TRANSISTOR	PC	18	KTC1815GR	Q203, 204, 205, Q206, 703, 704, Q709, 109, 710, Q711, 712, 713, Q714, 903, 905, Q103, 104
TRANSISTOR	PC	1	KTC1923Y	Q110

MODEL NO.TT-703DPL
ELECTRICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	LOCATION
TRASISTOR	PC	7	KTA1015GR	Q108, 202, 705, Q707, 708, 902, Q904
TRANSISTOR	PC	2	2SC2878A	Q106, 107
RECTIFIER DIODE	PC	2	IN4001	D901, 902
SI DIODE	PC	24	IS2473	D723, 724, 725 D726, 905, 701, D702, 001, 703, D704, 705, 706, D707, 708, 710, D712, 716, 717, D718, 719, 720, D721
ZENER DIODE	PC	1	05AZ5.6	D904
ZENER DIODE	PC	1	05AZ7.5, 7.5 V	D906
ZENER DIODE	PC	1	05AZ13, 13 V	D903
CAPACITOR CERAMIC	PC	3	50V, 1000pF, K B	#C114, 136, 137
CAPACITOR CERAMIC	PC	5	50V, 0.01uF, Z F	#C101, 102, 109, #C139, 704
CAPACITOR CERAMIC	PC	2	50V, 2200pF, K B	#C113, 710
CAPACITOR CERAMIC	PC	17	50V, 0.022uF, Z F	#C107, 115, 116, #C121, 125, 133, #C134, 140, 701, #C707, 708, 711, #C715, 907
CAPACITOR CERAMIC	PC	4	50V, 0.047uF, Z F	#C104, 901, 902, #C127
CAPACITOR CERAMIC	PC	1	50V, 22pF, J SL	#C130
CAPACITOR CERAMIC	PC	1	50V, 33pF, J SL	#C713
CAPACITOR CERAMIC	PC	1	50V, 47pF, J SL	#C001
CAPACITOR CERAMIC	PC	17	50V, 82pF, J SL	#C119
CAPACITOR CERAMIC	PC	1	50V, 150pF, J SL	#C131
CAPACITOR E/ALUMINUM	PC	1	6.3V, 2200uF, M-S 13 x 20	#C714
CAPACITOR E/ALUMINUM	PC	1	16V, 330uF, M-S 10 x 12.5	#C702
CAPACITOR E/ALUMINUM	PC	1	25V, 470uF, M-S 10 x 16	#C904
CAPACITOR E/ALUMINUM	PC	1	1000uF, M-S 13 x 25	#C903
CAPACITOR E/ALUMINUM	PC	1	10V, 100uF, M-T 6.3 x 11	#C203
CAPACITOR E/ALUMINUM	PC	3	16V, 10uF, M-T, 4 x 7	#C108, 112, 706
CAPACITOR E/ALUMINUM	PC	2	16V, 220uF, M-T 8 x 11.5	#C905, 909
CAPACITOR E/ALUMINUM	PC	2	16V, 47uF, M-T 6.3 x 11	#C110, 908
CAPACITOR E/ALUIMNUM	PC	9	50V, 1.0uF, M-T 4 x 7	#C138, 204, 206, #C207, 208, 211, #C212, 213, 703
CAPACITOR E/ALUMINUM	PC		50V, 2.2uF, M-T 4 x 7	#C105
CAPACITOR E/ALUMINUM	PC	3	50V, 3.3uF, M-T 4 x 7	#C135, 201, 202
CAPACITOR E/ALUMINUM	PC	1	50V, 4.7uF, M-T 5 x 7	#C103
CAPACITOR F/POLYESTR	PC	2	100V, 0.033uF, J-T 8.1 x 13	#C209, 210
CAPACITOR STYROL	PC	1	100V, 1000pF, J	#C205
CAPACITOR STYROL	PC	1	100V, 470pF, J	#C129
CAPACITOR STYROL	PC	1	100V, 220pF, J	#C132
RESISTOR CARBON FILM	PC	2	1/5W, 100ohm, 5%	#R145, 220
RESISTOR CARBON FILM	PC	5	1/5W, 1Kohm, 5%	#R143, 201, 219, #R701, 123

MODEL NO. TT-703DPL
ELECTRICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	LOCATION
CAPACITOR E/ALUMINUM	PC	1	16V, 22uF, M-T 5 x 11	#C111
RESISTOR CARBON	PC	12	1/5W, 10Kohm, 5%	#R140, 142, 205, #R218, 702, 703, #R704, 705, 706 #R711, 907, 909
RESISTOR CARBON FILM	PC	5	1/5W, 100Kohm, 5%	#R115, 125, 709, #R712, 715
RESISTOR CARBON FILM	PC	7	1/5W, 150Kohm, 5%	#R204, 717, 718, #R719, 720, 721, #R722
RESISTOR CARBON FILM	PC	7	1/5W, 220ohm, 5%	#R101, 130
RESISTOR CARBON FILM	PC	2	1/5W, 2.2Kohm, 5%	#R206, 207
RESISTOR CARBON FILM	PC	2	1/5W, 22Kohm, 5%	#R110, 132
RESISTOR CARBON FILM	PC	2	1/5W, 220Kohm, 5%	#R144, 120, 124
RESISTOR CARBON FILM	PC	2	1/5W, 240Kohm, 5%	#R723
RESISTOR CARBON FILM	PC	1	1/5W, 270Kohm, 5%	#R208, 211
RESISTOR CARBON FILM	PC	1	1/5W, 330ohm, 5%	#R107, 111, 121
RESISTOR CARBON FILM	PC	2	1/5W, 3.3Kohm, 5%	#R212, 215, 216, #R217, 710, 714, #R119
RESISTOR CARBON FILM	PC	7	1/5W, 33Kohm, 5%	#R141
RESISTOR CARBON FILM	PC	1	1/5W, 47ohm, 5%	#R112
RESISTOR CARBON FILM	PC	1	1/5W, 470ohm, 5%	#R908, 910
RESISTOR CARBON FILM	PC	2	1/5W, 4.7Kohm, 5%	#R221, 222
RESISTOR CARBON FILM	PC	2	1/5W, 47Kohm, 5%	#R127, 135, 137, #R708, 905, 906, #R128
RESISTOR CARBON FILM	PC	7	1/5W, 56Kohm, 5%	#R209, 210
RESISTOR CARBON FILM	PC	2	1/5W, 6.8Kohm, 5%	#R108, 202
RESISTOR CARBON FILM	PC	2	1/5W, 820ohm, 5%	#R213, 214
RESISTOR CARBON FILM	PC	2	1/4W, 100ohm, 5%	#R118
RESISTOR CARBON FILM	PC	1	1/4W, 10Kohm, 5%	#R109, 911
RESISTOR CARBON FILM	PC	2	1/4W, 100Kohm, 5%	#R716
RESISTOR CARBON FILM	PC	1	1/4W, 180ohm, 5%	#R707
RESISTOR CARBON FILM	PC	1	1/4W, 22ohm, 5%	#R903
RESISTOR CARBON FILM	PC	1	1/4W, 220ohm, 5%	#R728
RESISTOR CARBON FILM	PC	1	1/4W, 2.2Kohm, 5%	#R904
RESISTOR CARBON FILM	PC	1	1/4W, 330ohm, 5%	#R139
RESISTOR CARBON FILM	PC	1	1/4W, 4.7Kohm, 5%	#R223, 902
RESISTOR CARBON FILM	PC	2	1/4W, 47Kohm, 5%	#R134
RESISTOR CARBON FILM	PC	1	1/4W, 560ohm, 5%	#R131, 136, 138
RESISTOR CARBON FILM	PC	3	1/4W, 56Kohm, 5%	#R713
RESISTOR CARBON FILM	PC	1	1/2W, 10ohm, 5%	#R913
RESISTOR CARBON FILM	PC	1	60mm-TX123	#R912
RESISTOR JUMPER WIRE	M	6.3000	16V, 47uF, M-S 6.3 x 11	#/105
CAPACITOR E/ALUMINUM	PC	1	2W, 68ohm, 5%	#C906
RESISTOR METAL OXIDE	PC	1		#R901

MODEL NO. TT-703DPS
ELECTRICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	LOCATION
IC	PC	1	TC9306F 027BS	IC702
IC	PC	1	TC9171P	IC701
IC	PC	1	TA7758P	IC101
IC	PC	1	TA7343AP	IC201
LAMP	PC	1	5V, 115mA, SL8804-05115	PL001
LAMP	PC	2	12V, 40mA, SL8811-102040	PL002, 003
LCD	PC	1	LT5214M-4TP56	
VVC DIODE	PC	4	ISV149 or ISV149B (PAIR)	D101, 102, 103, D104
X-TAL	PC	1	X-TAL 7200	Z702
SEMI FIXED RESISTOR	PC	2	SEMI VR103B	SR101, 102
TACT SWITCH	PC	17	KHH15902	S701, 702, 703, S704, 705, 706, S707, 708, 709, S710, 711, 712, S713, 714, 715, S716, 722
TACT SWITCH	PC	5	KHH10902	S717, 718, 719, S720, 721
PC BOARD	PC	1	AIT097	
FRONT END	PC	1	75ohm, OE-1021	
ANTENNA TERMINAL	PC	1	PAL 75ohm, AK 1/2-1028	
RCA JACK	PC	1	CP2 4ø	
T-ANTENNA ASS'Y (W/Y TERMINAL)	PC	1	75 ohm, AFN-002	
AM LOOP ANTENNA ASS'Y	PC	1	AAT-033	
RELAY	PC	1	CR323DC012	
WIRE JOINTER	PC	1	SAFETY STANDARD	
POWER TRANSFORMER	PC	1	SAFETY STANDARD	
AC CORD W/PLUG	PC	1	SAFETY STANDARD	
AC OUTLET	PC	1	SAFETY STANDARD	
PHONE CORD	PC	1	2P RCA BOTH L:0.6m	
FM CERAMIC FILTER	PC	2	SFE 10.7 MS2A	CF102, 104,
AM CERAMIC FILTER	PC	1	SFU450B	Z103
SW ANTENNA COIL	PC	1	AAT-037	T105
CHOKE COIL	PC	2	2.2uH MOLDING	L101, 102
LOW PASS FILTER COIL	PC	2	AMA-001	T201, 202
MW ANTENNA COIL	PC	1	AAT-035	T104
MW OSC COIL	PC	1	AAO-024	T106
AM IFT A	PC	1	AAA-013	T101
AM IFT (DET)			AAD-004	T103
FM IFT (DET)			AFD-007	T102
SW OSC COIL	PC	1	AAT-026	T107
TRIMMER	PC	3	30P CVN630	C117, 712, 120
TRANSISTOR	PC	1	KTD880Y	Q901
FET	PC	1	KTK161GR	Q105
TRANSISTOR	PC	18	KTC1815GR	Q109, 710, 711, Q712, 713, 714, Q903, 905, 103, Q104, 203, 204, Q205, 206, 703, Q704, 706, 709
TRANSISTOR	PC	1	KTC1923Y	Q110

MODEL NO. TT-703DPS
ELECTRICAL PARTS

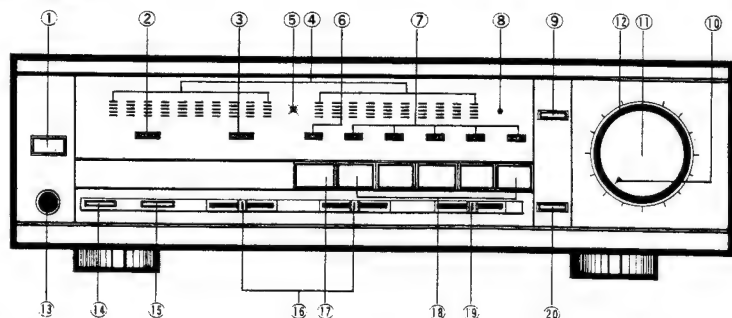
PARTS NAME	UNIT	QTY	DESCRIPTION	REMARKS
TRANSISTOR	PC	7	KTA1015-GR	Q108, 202, 705, Q707, 708, 902, Q904
TRANSISTOR	PC	2	2SC2878A	Q106, 107
RECTIFIER DIODE	PC	2	IN4001	D901, 902
SI DIODE	PC	24	IS2473	D001, 703, 704, D705, 706, 707, D708, 710, 712, D716, 717, 718, D719, 720, 721, D723, 724, 726, D905, 701, 702, D713
ZENER DIODE	PC	1	05AZ5.6	D904
ZENER DIODE	PC	1	05AZ7.5	D906
ZENER DIODE	PC	1	05AZ13	D903
CAPACITOR CERAMIC	PC	3	50V, 1000pF, K B	#C114, 136, 137
CAPACITOR CERAMIC	PC	5	50V, 0.01uF, Z F	#C101, 102, 109, #C139, 704 #C113, 710
CAPACITOR CERAMIC	PC	2	50V, 2200pF, K B	#C107, 115, 116, #C121, 122, 123, #C124, 125, 133, #C134, 140, 701, #C707, 708, 711, #C715, 907
CAPACITOR CERAMIC	PC	17	50V, 0.022uF, Z F	#C104, 901, 902 #C130
CAPACITOR CERAMIC	PC	3	50V, 0.047uF, Z F	#C713
CAPACITOR CERAMIC	PC	1	50V, 22pF, J SL	#C001
CAPACITOR CERAMIC	PC	1	50V, 33pF, J SL	#C131
CAPACITOR CERAMIC	PC	1	50V, 47pF, J SL	#C714
CAPACITOR E/ALUMINUM	PC	1	50V, 6pF, J SL	#C702
CAPACITOR E/ALUMINUM	PC	1	6.3V, 2200uF, M-S 13 x 20	#C904
CAPACITOR E/ALUMINUM	PC	1	16V, 330uF, M-S 10 x 12.5	#C903
CAPACITOR E/ALUMINUM	PC	1	25V, 470uF, M-S 10 x 16	#C203
CAPACITOR E/ALUMINUM	PC	1	35V, 1000uF, M-S 13 x 25	#C108, 112, 706
CAPACITOR E/ALUMINUM	PC	1	10V, 100uF, M-T 6.3 x 11	#C111
CAPACITOR E/ALUMINUM	PC	3	16V, 10uF, M-T 4 x 7	#C905, 909
CAPACITOR E/ALUMINUM	PC	1	16V, 22uF, M-T 5 x 11	#C110, 908
CAPACITOR E/ALUMINUM	PC	2	16V, 220uF, M-T 8 x 11.5	#C138, 204, 206, #C207, 208, 211, #C212, 213, 703
CAPACITOR E/ALUMINUM	PC	2	16V, 47uF, M-T 6.3 x 11	#C105
CAPACITOR E/ALUMINUM	PC	9	50V, 1.0uF, M-T 4 x 7	#C135, 201, 202, #C103
CAPACITOR E/ALUMINUM	PC	1	50V, 2.2uF, M-T 4 x 7	#C209, 210
CAPACITOR E/ALUMINUM	PC	3	50V, 3.3uF, M-T 4 x 7	#C205
CAPACITOR E/ALUMINUM	PC	1	50V, 4.7uF, M-T 5 x 7	#C129
CAPACITOR F/POLYESTR	PC	2	100V, 0.033uF, J-T 8.1 x 13	
CAPACITOR STYROL	PC	1	100V, 1000pF, J	
CAPACITOR STYROL	PC	1	100V, 470pF, J	

MODEL NO. TT-703DPS
ELECTRICAL PARTS

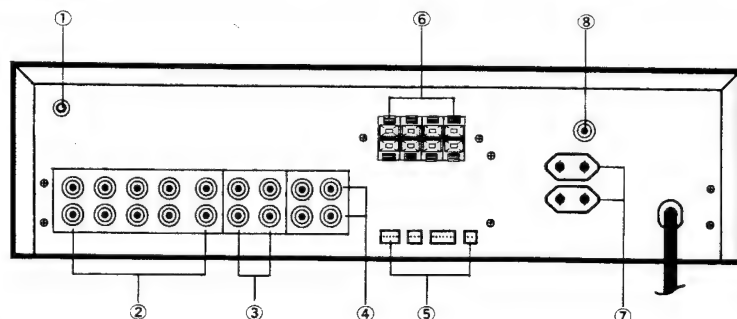
PARTS NAME	UNIT	QTY	DESCRIPTION	LOCATION
CAPACITOR STYROL	PC	1	100V, 2700pF, J	#C132
RESISTOR CARBON FILM	PC	2	1/5W, 100ohm, 5%	#R145, 220
RESISTOR CARBON FILM	PC	5	1/5W, 1Kohm, 5%	#R143, 201, 219, #R701, 123
RESISTOR CARBON FILM	PC	12	1/5w, 10Kohm, 5%	#R140, 142, 205, #R218, 702, 703, #R705, 711, 907, #R909, 704, 706,
RESISTOR CARBON FILM	PC	11	1/5W, 100Kohm, 5%	#R115, 116
RESISTOR CARBON FILM	PC	7	1/5W, 150Kohm, 5%	#R204, 717, 718, #R719, 720, 721, #R722
RESISTOR CARBON FILM	PC	2	1/5W, 220ohm, 5%	#R101, 130
RESISTOR CARBON FILM	PC	2	1/5W, 2.2Kohm, 5%	#R206, 207
RESISTOR CARBON FILM	PC	2	1/5W, 22Kohm, 5%	#R110, 132
RESISTOR CARBON FILM	PC	3	1/5W, 220Kohm, 5%	#R144, 120, 124
RESISTOR CARBON FILM	PC	1	1/5W, 240Kohm, 5%	#R723
RESISTOR CARBON FILM	PC	2	1/5W, 270Kohm, 5%	#R208, 211
RESISTOR CARBON FILM	PC	3	1/5W, 330ohm, 5%	#R107, 111, 121
RESISTOR CARBON FILM	PC	7	1/5W, 3.3Kohm, 5%	#R212, 215, 216, #R217, 710, 714, #R119
RESISTOR CARBON FILM	PC	1	1/5W, 33Kohm, 5%	#R141
RESISTOR CARBON FILM	PC	1	1/5W, 47ohm, 5%	#R112
RESISTOR CARBON FILM	PC	2	1/5W, 470ohm, 5%	#R908, 910
RESISTOR CARBON FILM	PC	2	1/5W, 4.7Kohm, 5%	#R221, 222
RESISTOR CARBON FILM	PC	7	1/5W, 47Kohm, 5%	#R127, 135, 137, #R708, 905, 128, #R906
RESISTOR CARBON FILM	PC	2	1/5W, 56Kohm, 5%	#R209, 210
RESISTOR CARBON FILM	PC	2	1/5W, 6.8Kohm, 5%	#R108, 202
RESISTOR CARBON FILM	PC	2	1/5W, 820ohm, 5%	#R213, 214
RESISTOR CARBON FILM	PC	2	1/4W, 100ohm, 5%	#R109, 911
RESISTOR CARBON FILM	PC	1	1/4W, 10Kohm, 5%	#R716
RESISTOR CARBON FILM	PC	1	1/4W, 100Kohm, 5%	#R707
RESISTOR CARBON FILM	PC	1	1/4W, 180ohm, 5%	#R903
RESISTOR CARBON FILM	PC	1	1/4W, 22ohm, 5%	#R728
RESISTOR CARBON FILM	PC	1	1/4W, 220ohm, 5%	#R904
RESISTOR CARBON FILM	PC	1	1/4W, 2.2Kohm, 5%	#R139
RESISTOR CARBON FILM	PC	2	1/4W, 330ohm, 5%	#R223, 902
RESISTOR CARBON FILM	PC	1	1/4W, 4.7Kohm, 5%	#R134
RESISTOR CARBON FILM	PC	3	1/4W, 47Kohm, 5%	#R131, 136, 138
RESISTOR CARBON FILM	PC	1	1/4W, 560ohm, 5%	#R713
RESISTOR CARBON FILM	PC	1	1/4W, 56Kohm, 5%	#R913
RESISTOR CARBON FILM	PC	1	1/2W, 10ohm, 5%	#R912
RESISTOR JUMPER WIRE	M	6,3000	60mm-TX123	#/105
CAPACITOR E/ALUMINUM	PC	1	16V, 47uF, M-S 6.3 x 11	#C906
RESISTOR METAL OXIDE	PC	1	2W, 68ohm, 5%	#R901

MODEL NO. TA-705BR HI-FI STEREO AMPLIFIER

FRONT PANEL



REAR PANEL



FRONT PANEL FEATURES

1. **Power On/Stand By Switch**
Each time you depress the button repeatedly is repeated POWER ON, STAND BY condition.
2. **Remote/Stand By LED**
This LED indicates STAND BY condition.
3. **Muting LED**
This LED turns into ON when depressing MUTE button of REMOTE control box TRM-718BR and sound level is downed.
4. **Power Level Meters**
These meters indicate the peak (instantaneous) power output levels when using 8 ohm speakers.
5. **Surround LED**
This LED indicates surround ON condition.

6. **Tape Monitor LED**
This LED indicates tape monitor condition.
7. **Source LED**
This LED indicates source condition (PHONO, CDP, TUNER, DAT, VIDEO).
8. **Remote Receiver**
This is equipment to receive remote signal from REMOTE control box TRM-718BR.
9. **Meter Range Switch**
 - $\times 1$: It is a meter scale when output is 80 watt.
 - $\times 0.1$: It is a meter scale when output is 8 watt.
10. **Volume LED**
This LED indicates volume location.
11. **Volume Control Knob**
Turn the knob to adjust the volume level.
12. **Volume Back Lighting**
This is a lamp for definition to volume location.

13. **Phones Jack**
Plug in this jack when listening through headphones. Then speaker output condition has nothing to do with phones jack ON/OFF.
14. **Speaker On/Off Switch**
 - ON : Front (Main) speaker can be operated.
 - OFF : Front (Main) speaker cannot be operated.
15. **Loudness Switch**
Depress this switch for listening at very low volume levels. The loudness circuit emphasizes the lower frequency regions for a natural tonal balance at low volume levels.
16. **Tone Control**
Slide the knobs rightward from the center zero (Flat) position to emphasize bass or treble tones. Slide leftward to attenuate (Decrease) bass or treble tones.
17. **Tape Monitor Switch**
This switch is used for playback or recording with a tape deck TD-703DMS. The programme source with the function selectors can be heard by setting this switch to the OFF position. With the switch in the ON position, playback from a tape deck connected to the tape jacks can be monitored.
18. **Function Selectors**
Choose the desired programme source by buttons:
 PHONO: For a turn table.
 CDP : For a compact disk player.
 TUNER: For a tuner.
 DAT : For a digital audio tape recorder.
 VIDEO : For a video.
19. **Balance Control**
Slide this knob to adjust volume balance between left and right speakers.
20. **Surround On/Off Switch**
 - ON : Rear (Surround) speaker can be operated.
 - OFF: Rear (Surround) speaker cannot be operated.

REAR PANEL CONNECTIONS

1. **GND**
It is recommended that the ground wires of the components used along with the unit are connected to these terminals.
Make absolutely sure that ground wire of the turn table is connected to the terminal since this will eliminate the noise caused by the phonomotor to a great extent.
2. **PHONO, CDP, TUNER, DAT, VIDEO, Jacks**
3. **Tape Connecting Jacks**
REC : Connect (Line in), (Rec) terminal of the DECK to this terminal.

PLAY: Connect (Line out), (PLAY) terminal of the DECK to this terminal.

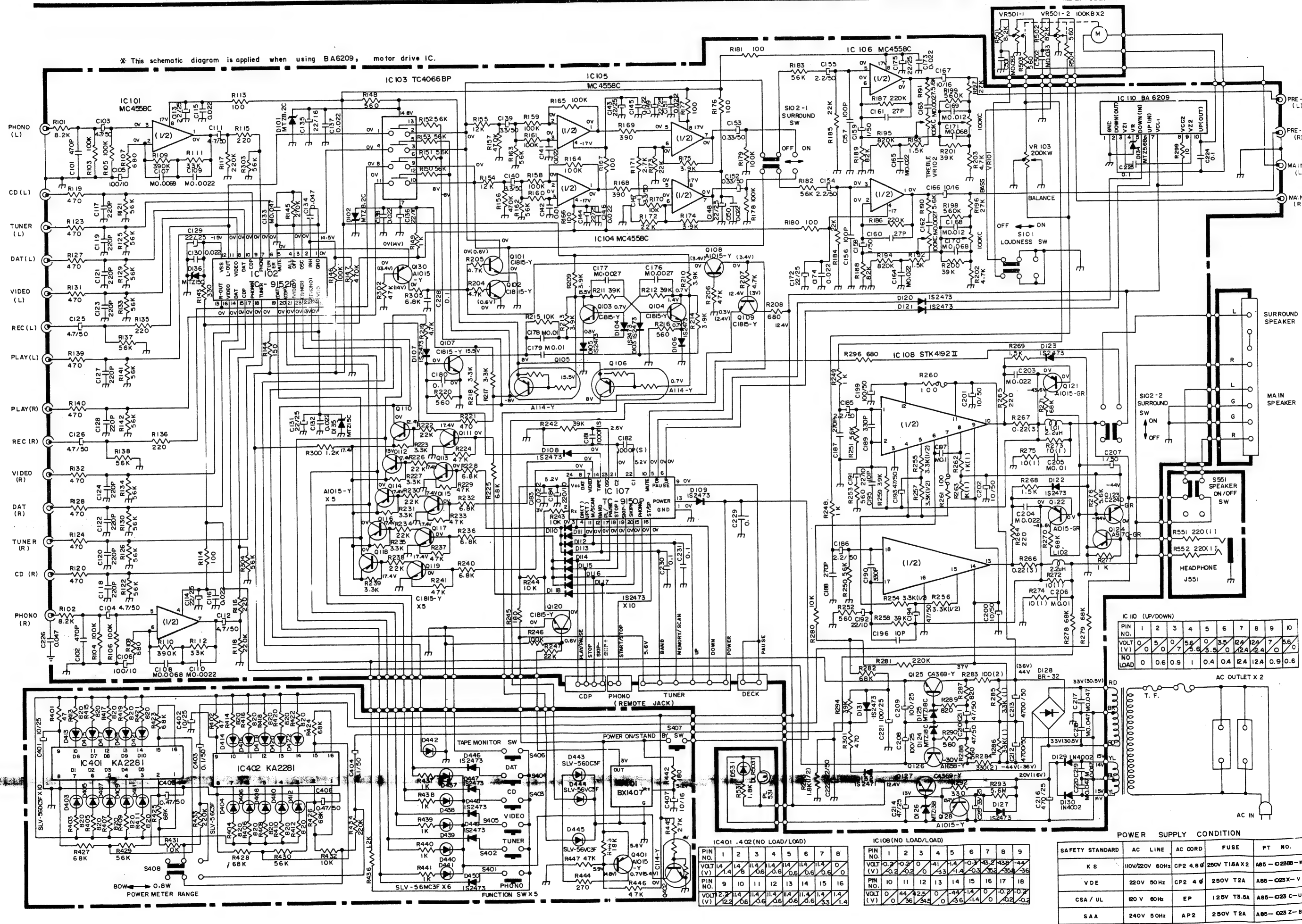
4. **Preout, Main in Connection Terminals**
5. **Remote Jacks**
 CDP : Connect with remote jack of compact disc player.
 PHONO: Connect with remote jack of turn table.
 TUNER : Connect with remote jack of tuner.
 DECK : Connect with remote jack of deck.
6. **Speakers Connection Terminals**
7. **AC Outlet**
These outlets are used to supply power to the components.
These outlets are not coupled to the unit's power switch. Once the power switch of a component connected to these outlets are set to ON, power will be supplied even if the unit's power switch is set to OFF. The maximum rating of these outlets is a total of 150 watts.
8. **AC Fuse Holder**

SPECIFICATIONS

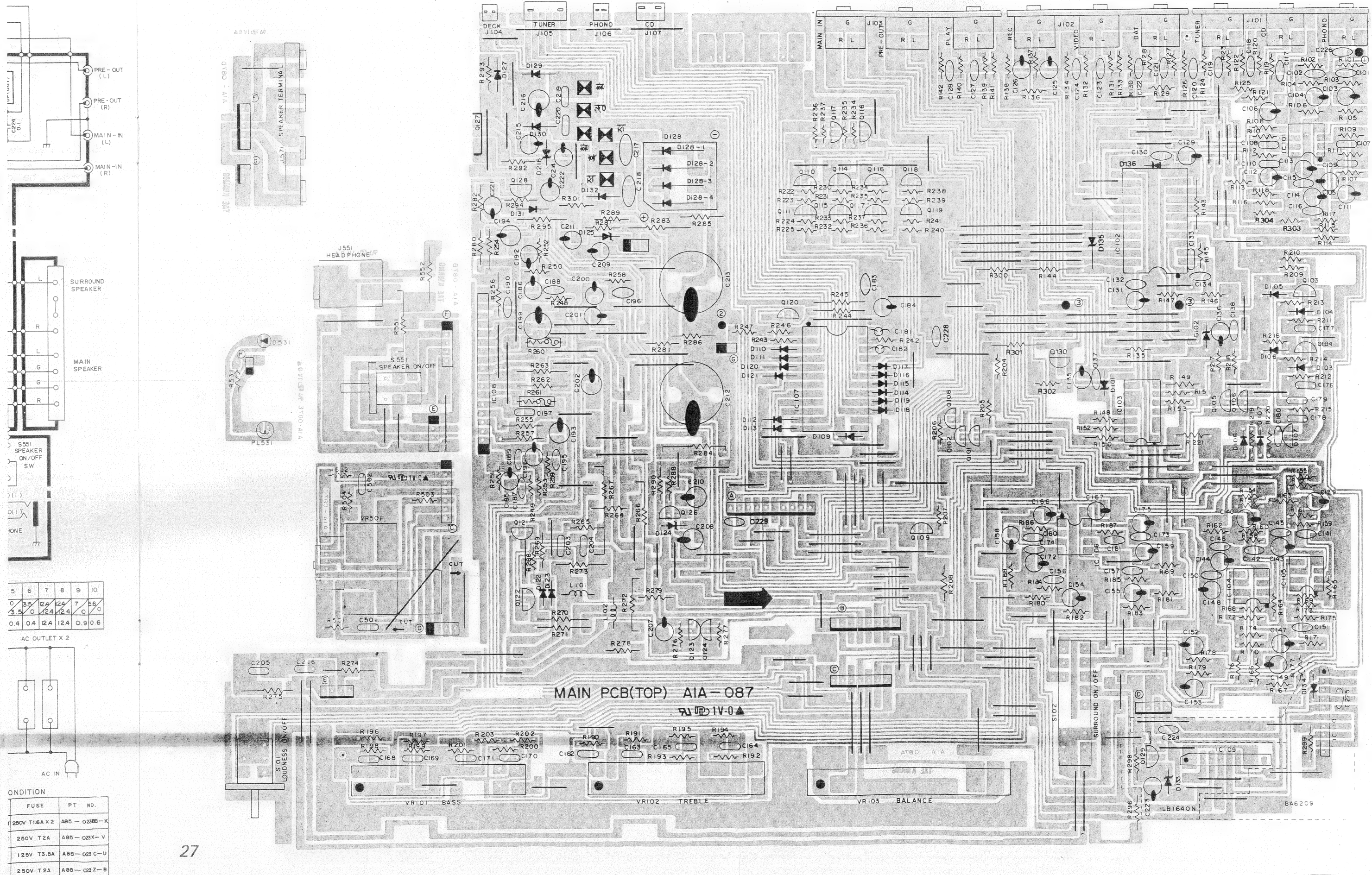
Power Output	: Main Output: 50 W + 50 W (8 ohm, THD. 0.05%) Surround: 25 W + 25 W (8 ohm, THD 0.05%)
Max Output	: 120 W + 120 W (8 ohm)
T.H.D.	: 0.02%
Power Bandwidth	: 10 Hz - 30 KHz
Frequency Response	: 10 Hz - 50 KHz
Load Impedance	: Main - 8 ohm Surround - 8 ohm
S/N Ratio (Jis a Filter)	: 90 dB (Dat)
Input Sensitivity	: Phono 2.5 mV/47 Kohm Tuner 150 mV/47 Kohm CDP/DAT/Video/Tape 150 mV/47 Kohm
Tone Control	: Bass ± 8 dB (100 Hz) Treble ± 8 dB (10 KHz)
Power Supply Voltage	: Safety Standard
Power Consumption	: 233 W
Dimensions	: 420(W) \times 108(H) \times 255(D) mm
Weight	: 7 Kg

MODEL NO. TA-705BR

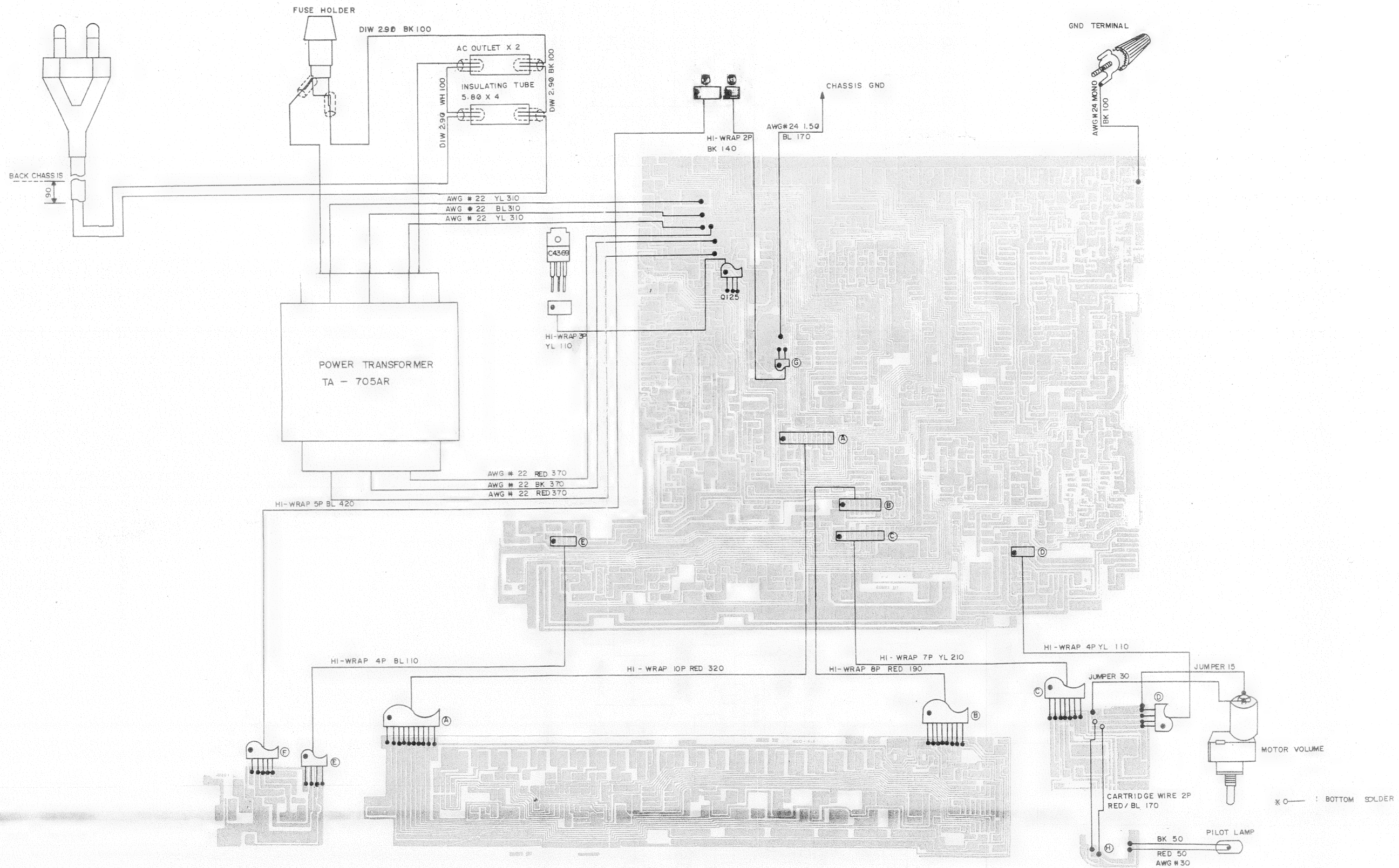
SCHEMATIC DIAGRAM



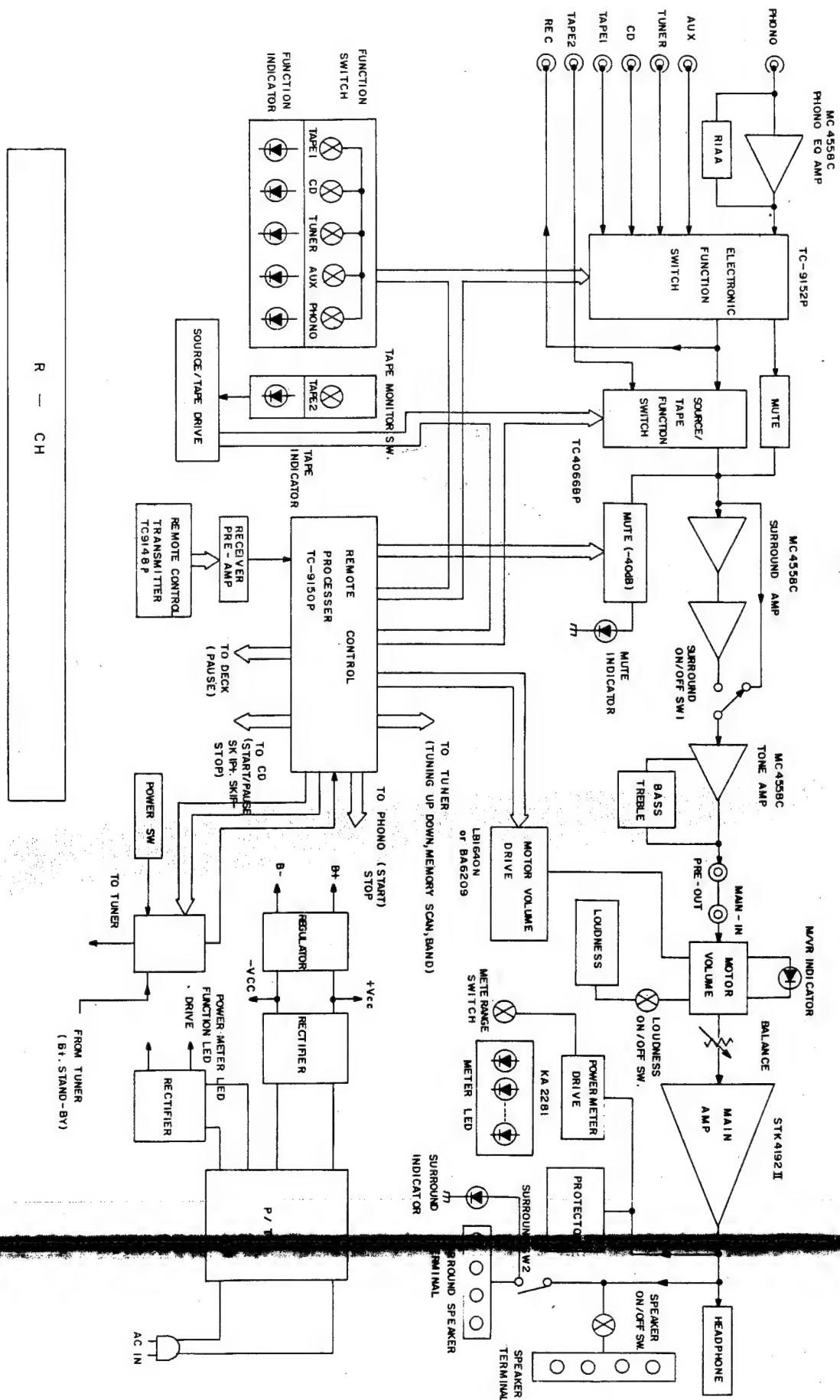
MODEL NO. TA-705BR PCB LAYOUT



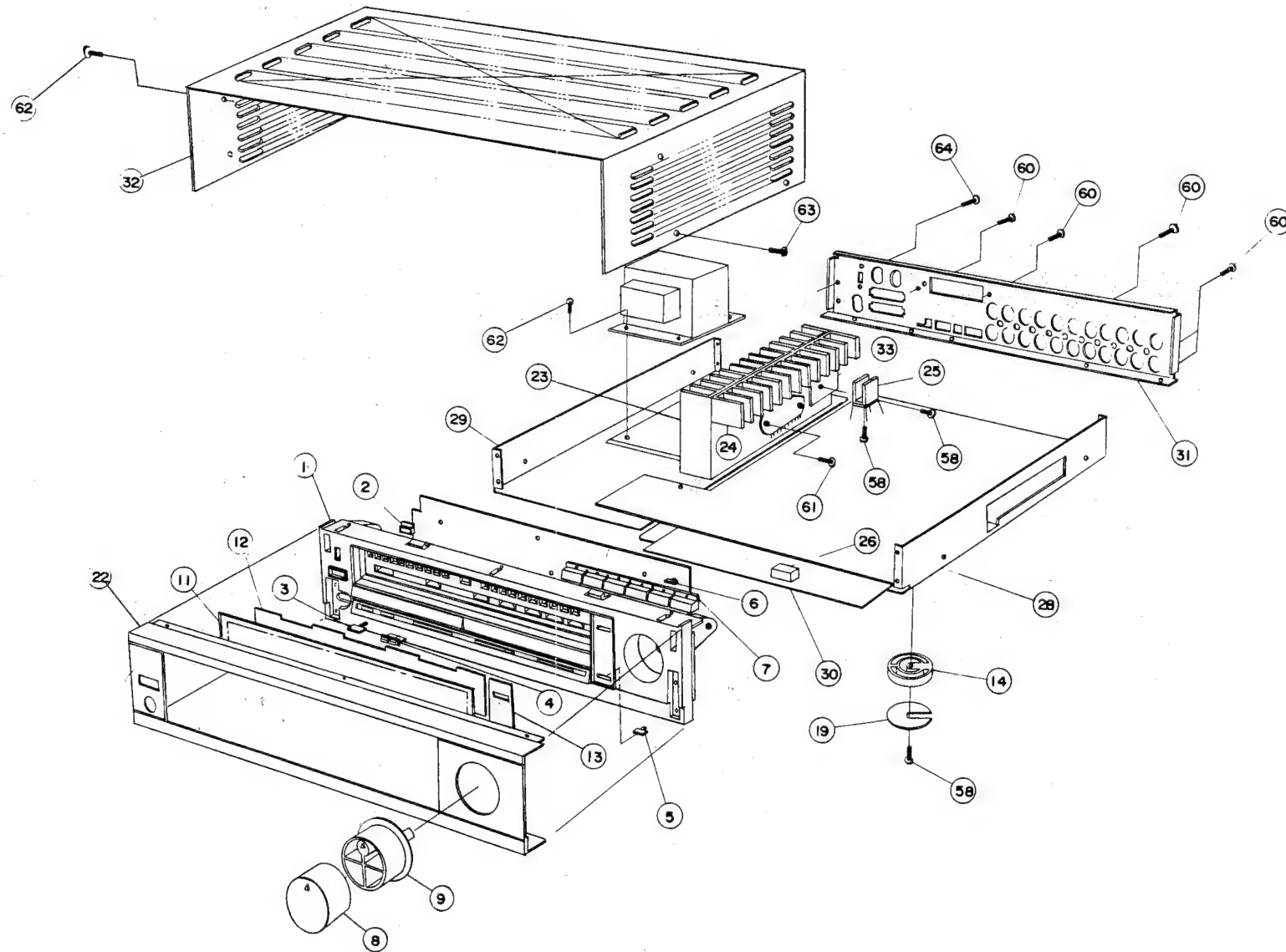
MODEL NO. TA-705BR WIRING DIAGRAM



MODEL NO. TA-705BR
BLOCK DIAGRAM



MODEL NO. TA-705BR
EXPLODED VIEW



PAR

IC
IC
IC
IC
IC
IC

IC
REMOTE CC
TRANSISTO
TRANSISTO
TRANSISTO
LED
LED

LED

LED
BRIDGE REC
SLIDE VOLL
SLIDE VOLL
MOTOR VO
PUSH SWIT
PUSH SWIT
PUSH SWIT
PUSH SWIT
TACT SWIT

HEADPHONI
RCA JACK
SPEAKER T
POWER TR
AC CORD V
AC OUTLET
MAIN PCB
SUB PCB
FUSE HOLD
FUSE HOLD
FUSE
CHOKE COI
PILOT LAMI
TRANSISTC
TRANSISTC
TRANSISTC

MODEL NO. TA-705BR
ELECTRICAL PARTS

PARTS NAME	UNIT	Q.TY	DESCRIPTION	LOCATION
IC	PC	1	TC-9152P	IC102
IC	PC	1	TC-9150P	IC107
IC	PC	1	TC-4066BP	IC103
IC	PC	1	STK-4192II	IC108
IC	PC	2	KA-2281	IC401, 402
IC	PC	4	MC-4558C	IC101, 104, 105, IC106
IC	PC	1	BA-6209	IC109
REMOTE CONTROL RECEIVER	PC	1	BX-1407	U401
TRANSISTOR	PC	2	2SC4369-Y	Q125, 127
TRANSISTOR	PC	1	2SA1658-Y	Q126
TRANSISTOR	PC	0	KTC2235-Y	Q129
LED	PC	1	SLR54VR-3	D531
LED	PC	21	DLR-IC503T	D403, 404, 405, D406, 407, 408, D409, 410, 411, D412, 413, 414, D415, 416, 417, D418, 419, 420, 421, 422, 443, D437, 438, 439, D440, 441, 442, D444, 445
LED	PC	6	SLV-56MC-3	D444, 445
LED	PC	2	SLV-56VC-3	D128
BRIDGE RECTIFIER DIODE	PC	1	BR-32	VR103
SLIDE VOLUME	PC	1	200KW x 1, RS30E1142	VR101, 102
SLIDE VOLUME	PC	2	100KC x 2, RS30E1232	VR501
MOTOR VOLUME W/NUT, WASHER	PC	1	100KB x 2, RK14112MA	S551
PUSH SWITCH	PC	1	1KEY2C2P, R2100561	S101
PUSH SWITCH (W/O BRACKET)	PC	1	1KEY2C2P, TR2112152	S102
PUSH SWITCH (W/O BRACKET)	PC	1	1KEY6C2P, R2100030	S408
PUSH SWITCH	PC	1	1KEY2C2P, SPH221A	S401, 402, 403, S404, 405, 406, S407
TACT SWITCH	PC	7	IC1P, KHH10902	J551
HEADPHONE JACK W/NUT, WASHER	PC	1	6.3ø, HLJ230601-3020	J101, 102, 103
RCA JACK	PC	3	6PIN, AP6-0034A	J571
SPEAKER TERMINAL	PC	1	8PIN, AUB-2021	
POWER TRANSFORMER	PC	1	SAFETY STANDARD	
AC CORD W/PLUG	PC	1	SAFETY STANDARD	
AC OUTLET	PC	2	SAFETY STANDARD	
MAIN PCB	PC	1	A1A-087A-E	
SUB PCB	PC	1	A1A-088	
FUSE HOLDER	PC	1	FEU031-1653	
FUSE HOLDER CAB	PC	1	FEK031-1663 (5 x 20)	
FUSE	PC	1	SAFETY STANDARD	
CHOKE COIL	PC	2	2.2uH, ABK-005	L101, 102
PILOT LAMP	PC	1	14V, 50mA, 4ø	
TRANSISTOR	PC	1	KTC-2240-GR	Q123
TRANSISTOR	PC	1	KTA970-GR	Q124
TRANSISTOR	PC	12	KTC1815-Y	Q101, 102, 103, Q104, 107, 109, Q111, 113, 115, Q117, 119, 120

MODEL NO.TA-705BR
ELECTRICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	LOCATION
TRANSISTOR	PC	9	KTA1015-Y	Q108, 110, 112, Q114, 116, 118, Q128, 130, 401, Q121, 122
TRANSISTOR	PC	2	KTA1015-GR	Q105, 106
DIGITAL TRANSISTOR	PC	2	DTA114-YS	Q402
DIGITAL TRANSISTOR	PC	1	DTC114-YS	D129, 130
RECTIFIER DIODE	PC	2	IN4002	D103, 104, 105, D106, 107, 108, D109, 110, 111, D112, 113, 114, D115, 116, 117, D120, 121, 123, D127, 131, 446, D447, 448, 449, D450
SILICON DIODE	PC	26	IS2473	D132
SILICON DIODE	PC	1	IS2471	D134
ZENER DIODE	PC	1	MTZ5.6B, 1/2W	D101, 102
ZENER DIODE	PC	2	MTZ8.2C, 1/2W	D216
ZENER DIODE	PC	1	MTZ13B, 1/2W	D135, 136
ZENER DIODE	PC	2	MTZ15C, 1/2W	D124, 125
ZENER DIODE	PC	2	MTZ18C, 1/2W	#C142
CAPACITOR CERAMIC	PC	1	50V, 0.01uF, K, B	#C115, 116, 130, #C132, 137
CAPACITOR CERAMIC	PC	14	50V, 0.022uF, Z, F	#C141, 145, 146 #C150, 151, 173 #C174, 183
CAPACITOR CERAMIC	PC	7	50V, 0.1uF, Z, F	#C180, 228, 229, #C230, 231, 224, #C225
CAPACITOR CERAMIC	PC	2	50V, 0.047uF, Z, F	#C134, 226
CAPACITOR CERAMIC	PC	2	50V, 10PF, D, SL	#C195, 196
CAPACITOR CERAMIC	PC	2	50V, 100PF, J, SL	#C156, 157
CAPACITOR CERAMIC	PC	10	50V, 220PF, J, CH	#C117, 118, 119, #C120, 121, 122, #C123, 124, 127, #C128
CAPACITOR CERAMIC	PC	2	50V, 27pF, J, SL	#C160, 161
CAPACITOR CERAMIC	PC	2	50V, 270pF, J, SL	#C187, 188
CAPACITOR CERAMIC	PC	2	50V, 330pF, J, SL	#C189, 190
CAPACITOR CERAMIC	PC	2	50V, 470pF, J, SL	#C101, 102
CAPACITOR E/ALUMINUM	PC	1	25V, 470uF, M-C, 10*12.5	#C216
CAPACITOR E/ALUMINUM	PC	2	50V, 4700uF, M-C, 25.4*41	#C212, 213
CAPACITOR E/ALUMINUM	PC	2	10V, 100uF, M-T, 6.3 x 11	#C105, 106
CAPACITOR E/ALUMINUM	PC	2	10V, 22uF, M-T, 5 x 11	#C191, 192
CAPACITOR E/ALUMINUM	PC	1	10V, 220uF, M-T, 8 x 11.5	#C184
CAPACITOR E/ALUMINUM	PC	3	16V, .10uF, M-T, 5 x 11	#C166, 167, 407
CAPACITOR E/ALUMINUM	PC	2	16V, 22uF, M-T, 5 x 11	#C135, 136
CAPACITOR E/ALUMINUM	PC	2	25V, 10uF, M-T, 5 x 11	#C401, 402
CAPACITOR E/ALUMINUM	PC	3	25V, 100uF, M-T, 8 x 11.5	#C208, 209, 221

MODEL NO.TA-705BR
ELECTRICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	LOCATION
CAPACITOR E/ALUMINUM	PC	10	25V, 22uF, M-T, 5 x 11	#C113, 114, 129, #C131, 143, 144, #C148, 149, 172, #C175
CAPACITOR E/ALUMINUM	PC	1	25V, 33uF, M-T, 6.3 x 11	#C215
CAPACITOR E/ALUMINUM	PC	1	25V, 47uF, M-T, 6.3 x 11	#C214
CAPACITOR E/ALUMINUM	PC	3	50V, 10uF, M-T, 5 x 11	#C200, 201, 202
CAPACITOR E/ALUMINUM	PC	1	50V, 100uF, M-T, 10 x 12.5	#C199
CAPACITOR E/ALUMINUM	PC	3	50V, 1.0uF, M-T, 5 x 11	#C158, 159, 207
CAPACITOR E/ALUMINUM	PC	1	50V, 22uF, M-T, 6.3 x 11	#C222
CAPACITOR E/ALUMINUM	PC	4	50V, 2.2uF, M-T, 5 x 11	#C154, 155, 185, #C186
CAPACITOR E/ALUMINUM	PC	3	50V, 3.3uF, M-T, 5 x 11	#C139, 140, 147
CAPACITOR E/ALUMINUM	PC	4	50V, 47uF, M-T, 8 x 11.5	#C193, 194, 210, #C211
CAPACITOR E/ALUMINUM	PC	6	50V, 4.7uF, M-T, 5 x 11	#C103, 104, 111, #C112, 125, 126
CAPACITOR E/ALUMINUM	PC	2	50V, 0.1uF, M-T, 5 x 11	#C403, 404
CAPACITOR E/ALUMINUM	PC	2	50V, 0.33uF, M-T, 5 x 11	#C152, 153
CAPACITOR E/ALUMINUM	PC	2	50V, 0.47uF, M-T, 5 x 11	#C405, 406
CAPACITOR F/POLYESTR	PC	4	50V, 0.01uF, J-T, 6.8 x 13	#C178, 179, 205, #C206
CAPACITOR F/POLYESTR	PC	1	50V, 0.10uF, J-T, 12.1 x 14	#C197
CAPACITOR F/POLYESTR	PC	2	50V, 0.012uF, J-T, 7.0 x 13	#C168, 169
CAPACITOR F/POLYESTR	PC	2	50V, 0.0022uF, J-T, 5.5 x 12.5	#C109, 110
CAPACITOR F/POLYESTR	PC	4	50V, 0.022uF, J-T, 7.4 x 13	#C164, 165, 203, #C204
CAPACITOR F/POLYESTR	PC	4	50V, 0.0027uF, J-T, 5.7 x 12.5	#C162, 163, 176, #C177
CAPACITOR F/POLYESTR	PC	2	50V, 0.033uF, J-T, 8.1 x 13	#C501, 502
CAPACITOR F/POLYESTR	PC	3	50V, 0.047uF, J-T, 8.9 x 13.5	#C133, 219, 220
CAPACITOR F/POLYESTR	PC	2	50V, 0.0068uF, J-T, 5.8 x 12.5	#C107, 108
CAPACITOR F/POLYESTR	PC	2	50V, 0.068uF, J-T, 9.9 x 14	#C170, 171
CAPACITOR F/POLYESTR	PC	2	100V, 0.047uF, J-T, 8.9 x 13.5	#C217, 218
CAPACITOR STYROL	PC	2	100V, 1000pF, J	#C181, 182
RESISTOR-CARBON FILM	PC	8	1/5W, 100ohm, 5%	#R113, 114, 166, #R167, 176, 177, #R180, 181
RESISTOR-CARBON FILM	PC	3	1/5W, 1Kohm, 5%	#R248, 249, 277
RESISTOR CARBON FILM	PC	3	1/5W, 10Kohm, 5%	#R170, 215, 243
RESISTOR CARBON FILM	PC	14	1/5W, 100Kohm, 5%	#R103, 104, 105, #R106, 146, 158, #R159, 160, 161, #R164, 165, 178, #R179, 246
RESISTOR CARBON FILM	PC	2	1/5W, 12Kohm, 5%	#R154, 155
RESISTOR CARBON FILM	PC	2	1/5W, 1.5Kohm, 5%	#R192, 193
RESISTOR CARBON FILM	PC	4	1/5W, 220ohm, 5%	#R115, 116, 135, #R136
RESISTOR CARBON FILM	PC	10	1/5W, 22Kohm, 5%	#R172, 173, 184, #R185, 222, 226, #R230, 234, 238, #R247

MODEL NO.TA-705BR
ELECTRICAL PARTS

PARTS NAME	UNIT	QTY	DESCRIPTION	LOCATION
RESISTOR CARBON FILM	PC	5	1/5W, 220Kohm, 5%	#R117, 118, 186, #R187, 434
RESISTOR CARBON FILM	PC	1	1/5W, 2.7Kohm, 5%	#R171
RESISTOR CARBON FILM	PC	2	1/5W, 27Kohm, 5%	#R196, 197
RESISTOR CARBON FILM	PC	1	1/5W, 270Kohm, 5%	#R145
RESISTOR CARBON FILM	PC	7	1/5W, 3.3Kohm, 5%	#R217, 218, 223, #R227, 231, 235, #R239
RESISTOR CARBON FILM	PC	2	1/5W, 33Kohm, 5%	#R111, 112
RESISTOR CARBON FILM	PC	2	1/5W, 390ohm, 5%	#R168, 169
RESISTOR CARBON FILM	PC	6	1/5W, 3.9Kohm, 5%	#R174, 175, 209, #R210, 213, 214 #R200, 201, 211, #R212, 242, 258, #R259
RESISTOR CARBON FILM	PC	7	1/5W, 39Kohm, 5%	#R109, 110 #R119, 120, 123, #R124, 127, 128, #R131, 132, 139, #R140
RESISTOR CARBON FILM	PC	2	1/5W, 390Kohm, 5%	#R202, 203, 204, #R205, 207, 219
RESISTOR CARBON FILM	PC	10	1/5W, 470ohm, 5%	#R206, 224, 229, #R233, 237, 241, #R302
RESISTOR CARBON FILM	PC	6	1/5W, 4.7Kohm, 5%	#R147, 156, 157 #R216, 220, 252, #R253, 503, 504
RESISTOR CARBON FILM	PC	7	1/5W, 47Kohm, 5%	#R190, 191, 276 #R121, 122, 125, #R126, 129, 130, #R133, 134, 137, #R138, 141, 142, #R150, 151, 152, #R153, 162, 163, #R182, 183, 250, #R251, 303, 304
RESISTOR CARBON FILM	PC	3	1/5W, 470Kohm, 5%	#R198, 199
RESISTOR CARBON FILM	PC	6	1/5W, 560ohm, 5%	#R107, 108 #R225, 228, 232, #R236, 240
RESISTOR CARBON FILM	PC	3	1/5W, 5.6Kohm, 5%	#R424, 425, 426
RESISTOR CARBON FILM	PC	24	1/5W, 56Kohm, 5%	#R101, 102, 501, #R502
RESISTOR CARBON FILM	PC	2	1/5W, 560Kohm, 5%	#R188, 189
RESISTOR CARBON FILM	PC	2	1/5W, 680ohm, 5%	#R194, 195
RESISTOR CARBON FILM	PC	5	1/5W, 6.8Kohm, 5%	#R149, 437, 438, #R439, 440, 441
RESISTOR CARBON FILM	PC	3	1/5W, 68Kohm, 5%	#R244, 280, 431, #R432
RESISTOR CARBON FILM	PC	4	1/5W, 8.2Kohm, 5%	#R300, 436
RESISTOR CARBON FILM	PC	2	1/5W, 82Kohm, 5%	#R144
RESISTOR CARBON FILM	PC	2	1/5W, 820Kohm, 5%	#R268, 269
RESISTOR CARBON FILM	PC	6	1/4W, 1Kohm, 5%	
RESISTOR CARBON FILM	PC	4	1/4W, 10Kohm, 5%	
RESISTOR CARBON FILM	PC	2	1/4W, 1.2Kohm, 5%	
RESISTOR CARBON FILM	PC	1	1/4W, 150ohm, 5%	
RESISTOR CARBON FILM	PC	2	1/4W, 1.5Kohm, 5%	

MODEL NO.TA-705BR
ELECTRICAL PARTS

PARTS NAME	UNIT	QTY	DESCRIPTION	LOCATION
RESISTOR CARBON FILM	PC	2	1/4W, 180ohm, 5%	#R245, 442
RESISTOR CARBON FILM	PC	1	1/4W, 1.8Kohm, 5%	#R531
RESISTOR CARBON FILM	PC	1	1/4W, 18Kohm, 5%	#R443
RESISTOR CARBON FILM	PC	2	1/4W, 220ohm, 5%	#R264, 265
RESISTOR CARBON FILM	PC	2	1/4W, 220Kohm, 5%	#R281, 433
RESISTOR CARBON FILM	PC	1	1/4W, 270ohm, 5%	#R444
RESISTOR CARBON FILM	PC	1	1/4W, 27Kohm, 5%	#R445
RESISTOR CARBON FILM	PC	2	1/4W, 330ohm, 5%	#R143, 292
RESISTOR CARBON FILM	PC	1	1/4W, 39Kohm, 5%	#R294
RESISTOR CARBON FILM	PC	2	1/4W, 47ohm, 5%	#R401, 402
RESISTOR CARBON FILM	PC	2	1/4W, 470ohm, 5%	#R221, 301
RESISTOR CARBON FILM	PC	2	1/4W, 47Kohm, 5%	#R446, 447
RESISTOR CARBON FILM	PC	3	1/4W, 560ohm, 5%	#R148, 288, 290
RESISTOR CARBON FILM	PC	2	1/5W, 56Kohm, 5%	#R429, 430
RESISTOR CARBON FILM	PC	1	1/4W, 5.6Mohm, 5%	#R293
RESISTOR CARBON FILM	PC	2	1/4W, 680ohm, 5%	#R208, 296
RESISTOR CARBON FILM	PC	1	1/4W, 6.8Kohm, 5%	#R305
RESISTOR CARBON FILM	PC	8	1/4W, 68Kohm, 5%	#R270, 271, 278, #R279, 282, 423, #R427, 428
RESISTOR CARBON FILM	PC	22	1/4W, 820ohm, 5%	#R287, 289, 403, #R404, 405, 406, #R407, 408, 409, #R410, 411, 412, #R413, 414, 415, #R416, 417, 418, #R419, 420
RESISTOR CARBON FILM	PC	1	1/2W, 1.8Kohm, 5%	#R295
RESISTOR CARBON FILM	PC	4	1/2W, 3.3Kohm, 5%	#R254, 255, 256, #R257
RESISTOR CEMENT	PC	2	3W, 0.22ohm, 5%	#R266, 267
RESISTOR FUSIBLE	PC	2	1/4W, 100ohm, 5%	#R260, 261
RESISTOR JUMPER WIRE	M	11.6400	60mm-TX123	#/194
RESISTOR METAL OXIDE	PC	4	1W, 10ohm, 5%	#R272, 273, 274, #R275
RESISTOR METAL OXIDE	PC	2	1W, 1Kohm, 5%	#R262, 263
RESISTOR METAL OXIDE	PC	2	1W, 220ohm, 5%	#R551, 552
RESISTOR METAL OXIDE	PC	2	1W, 3.3Kohm, 5%	#R285, 286
RESISTOR METAL OXIDE	PC	1	2W, 100ohm, 5%	#R283
RESISTOR METAL OXIDE	PC	1	2W, 330ohm, 5%	#R284

MODEL NO.TA-705BR
MECHANICAL PARTS

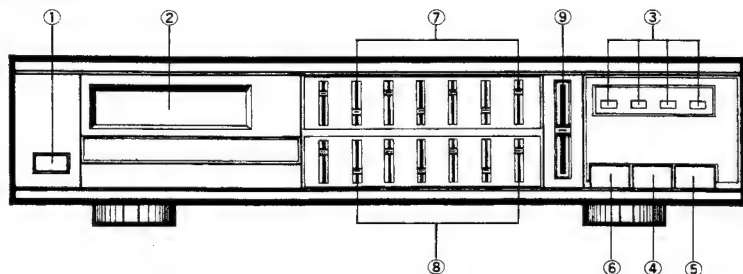
PARTS NAME	UNIT	Q.TY	DESCRIPTION	REMARKS
PANEL SUB	PC	1		
KNOB POWER TACT	PC	1		
KNOB SELECTOR	PC	2		
KNOB SLIDE	PC	3		
KNOB SURROUND	PC	1		
KNOB PUSH S/W (A)	PC	1		
KNOB TACT S/W	PC	1		
KNOB V/R CAP	PC	1		
KNOB V/R CORE	PC	1		
BUSH	PC	1		
WINDOW PANEL	PC	1		
DECO LED	PC	1		
PLATE FUNCTION	PC	1		
FOOT	PC	2	(NON-H/STAMPING)	
FOOT	PC	2	(GOLD-H/STAMPING)	
CUSHION FOOT	PC	4		
CUSHION PCB	PC	2	20 × 20 × 8t	
PANEL FRONT	PC	1		
RADIATOR L	PC	1		
RADIATOR S	PC	1		
RADITOR DIODE	PC	1		
CABINET STEEL	PC	1		
CHASSIS SIDE R	PC	1		
CHASSIS SIDE L	PC	1		
CHASSIS MAIN	PC	1		
CHASSIS BACK	PC	1		
BRACKET RADIATOR R	PC	1		
BRACKET IC L	PC	1		
BRACKET 1 KEY S/W	PC	1		
JACK CONNECT	PC	2	(PITCH:18 mm)	
CABLE TIE	PC	6		
FILTER LEVEL	PC	1		
FILTER FUNCTION	PC	1		
WASHER FIBER	PC	1		
CUSHION R.L	PC	2		
GIFT BOX	PC	1		
POLY BAG (S)	PC	1		
POLY BAG (I)	PC	2		
CORD BUSH	PC	1		
GND TERMINAL	PC	1		

MODEL NO.TA-705BR
MECHANICAL PARTS

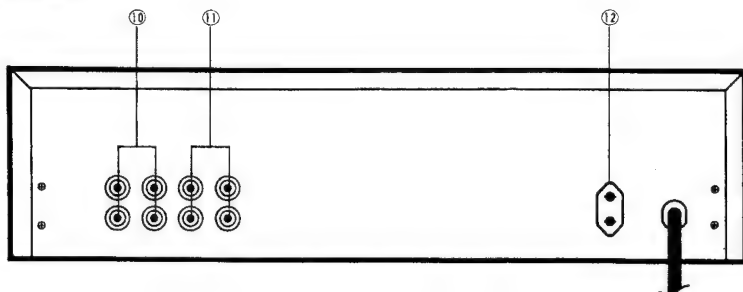
PARTS NAME	UNIT	Q.TY	DESCRIPTION	REMARKS
REMOCON ASS'Y	PC	1	(TRM-718BR)	
SILICAGEL	PC	1		
INST MANUAL	PC	1		
WARRANTY CARD	PC	1		
LABEL INSPECT	PC	1		
LABEL SERIAL	PC	2		
SCREW TAPPING	PC	36	BH T2T ø3 × 8 Fe-Zn	
SCREW TAPPING	PC	16	BH T2T ø3 × 8 Fe-Zy	
SCREW TAPPING	PC	8	FH T2T ø3 × 8 Fe-Zn	
SCREW TAPPING	PC	1	BH T2T ø3 × 12 Fe-Zy	
SCREW TAPPING	PC	4	BH T3T ø4 × 6 Fe-Zy	
SCREW TAPPING	PC	6	BH T2T ø4 × 10 Fe-Zn	
SCREW MACHINE	PC	2	PH M3 × 8 Fe-Zy	

MODEL NO. TE-707SG GRAPHIC EQUALIZER

FRONT PANEL



REAR PANEL



FRONT PANEL FEATURES

- 1. Power Switch**
Depress this switch to turn the POWER on and depress again to turn POWER OFF.
- 2. Spectrum Analyzer**
The tuned frequency on each band are displayed here in digital form.
- 3. LED Indicator**
This indicator displays TAPE, SOURCE, REC, EQ-ON.
- 4. Equalizer Recording Switch (EQ REC)**
Depress this switch (ON) for recording through the equalizer circuit. Turn it (OFF) for recording without the use of equalizer circuit system.

- 5. Equalizer Switch (EQ)**
Set this switch (ON) to activate the graphic equalizer effect.
- 6. Monitor Switch**
SOURCE: Line in signal is selected.
TAPE : Tape play signal is selected.
- 7. 8. Equalizer Knob**
When equalizer switch 5 is turned on, (64Hz)
Moving this slide control down reduces very low frequency rumble, or compensates a warped disc.
Moving the slide control up emphasizes the very low frequencies.

(160Hz)

This range supports the lower end of the music and slide controls overall depth. The slide control may be moved down to eliminate "boomy bass" caused by room acoustics.

(400Hz)

This range is the foundation of music including both instruments and the human voice, and controls the overall power of the sound. As the slide control is moved up, midrange sounds come more forward.

(1KHz)

This range affects the presence of the music (depth of tone), and is especially effective when playing back vocals. Moving the slide control up and down will cause the vocals to more "up front" or more reserved.

(2.5KHz)

This is the frequency range where the human ear is most sensitive. Boosting the level slightly will add brilliance, crispness, etc., to instruments. Cutting the level slightly makes for comfortable listening.

(6.3KHz)

This is the high frequency range. Strings, horns, etc., will be emphasized to give a slight difference in tone glaze and quality. Moving the control down reduces over-emphasized consonants in vocals and objectionable tape hiss. Moving the slide control up, on the other hand, improves the sharpness of such instruments as cymbals.

(16KHz)

Super-high frequency range. This affects higher harmonics rather than the fundamental tones of the instruments themselves, and has an effect on the sensitivity and atmosphere of the music. Moving side control up adds a delicate, fresh sound to cymbals, triangles, etc.

- 9. Spectrum Analyzer (S.A) Level Knob**
Slide this knob to adjust spectrum analyzer level.

REAR PANEL CONNECTIONS

- 10. Line Terminal**
IN : This is a input terminal.
OUT: This is a output terminal.
- 11. Tape Terminal**
REC : Connect to the tape deck input terminals (Line in, Rec).
PLAY: Connect to the tape deck output terminals (Line out, Play).
- 12. AC Outlet**
Unswitched can be supplied to other components with a total power consumption of up to 150 W.

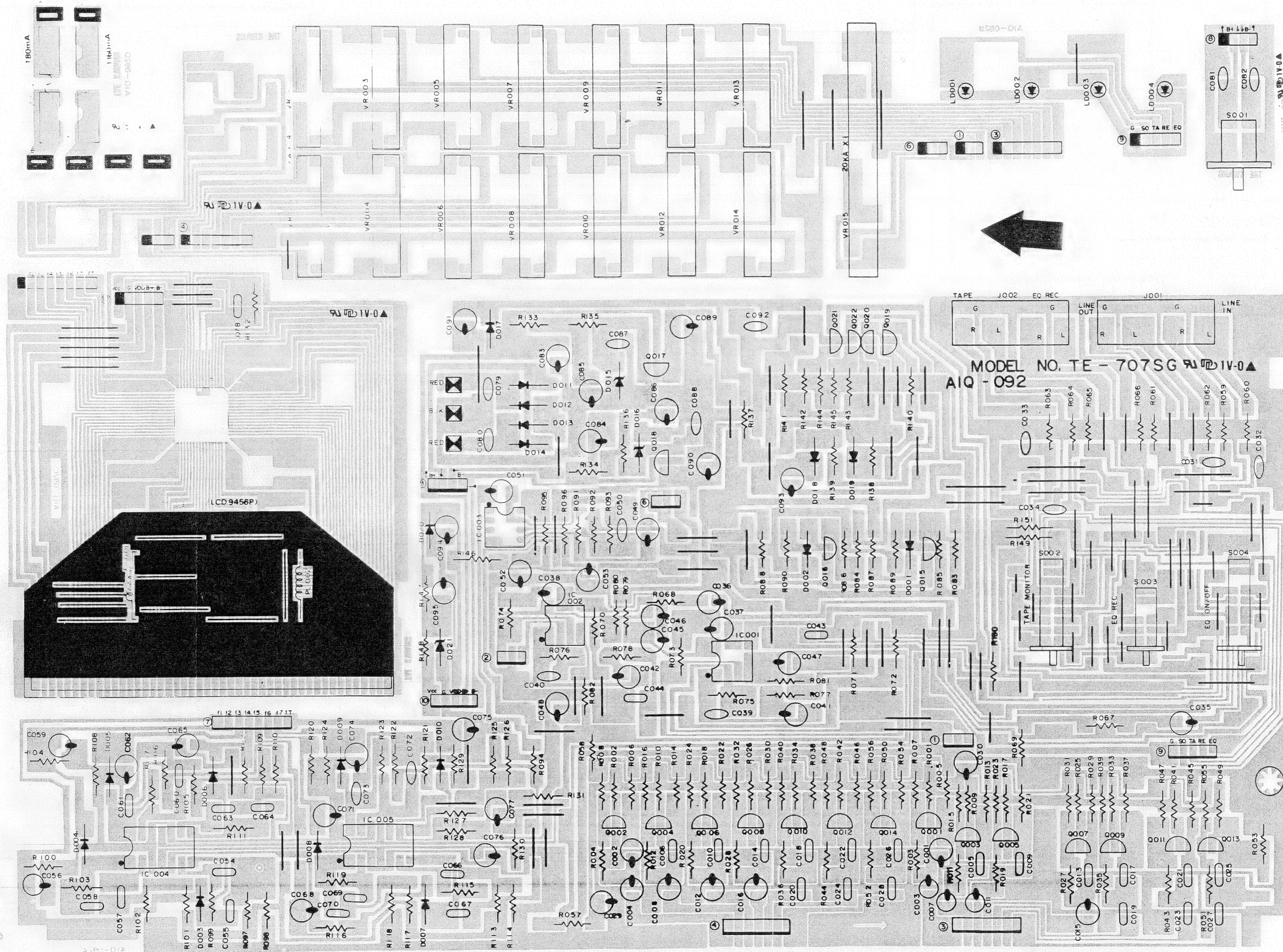
SPECIFICATIONS

Formation	: R Channel + L Channel Graphic Equalizer
Display System	: 7 Bands Spectrum Analyzer
Frequency Response	: 10 Hz - 70 KHz
Equalizer Control Range	: ± 10 dB
Frequency Range	: 64 Hz 160 Hz 400 Hz 1 KHz 2.5 KHz 6.3 KHz 16 KHz
Total Harmonic Distortion	: 0.03%
Signal to Noise Ratio	: 100 dB (Jis a Filter)
Input Sensitivity Impedance	Line In-150 mV/47 Kohm
Output/Impedance	: Line Out - 150 mV/ 600 ohm Rec Out - 150 mV/ 600 ohm
Power Consumption	: 12 W
Dimensions Weight	: 420(W) \times 92(H) \times 253(D) : 2.8 Kg

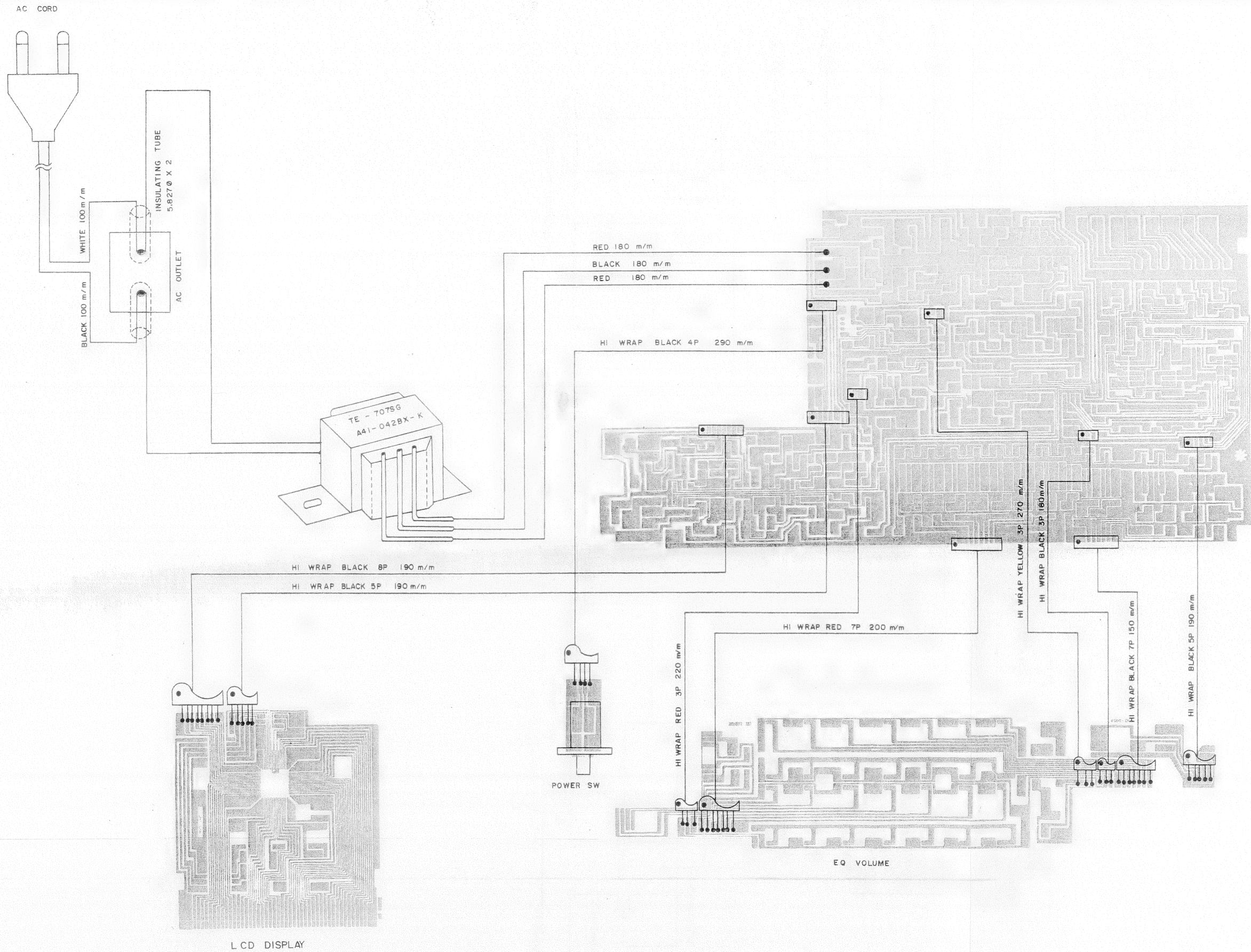
SCHEMATIC DIAGRAM



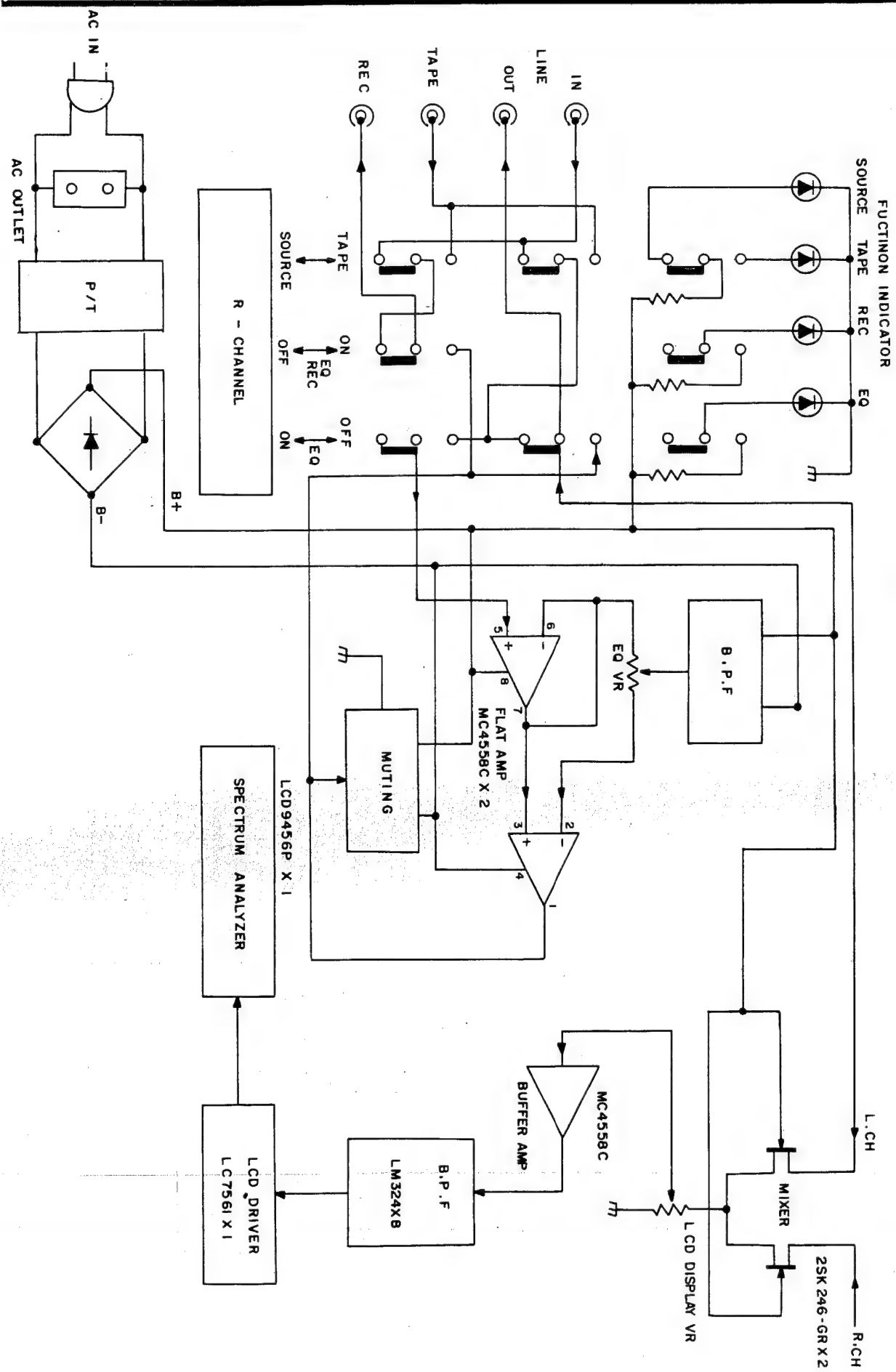
MODEL NO. TE-707SG
PCB LAYOUT

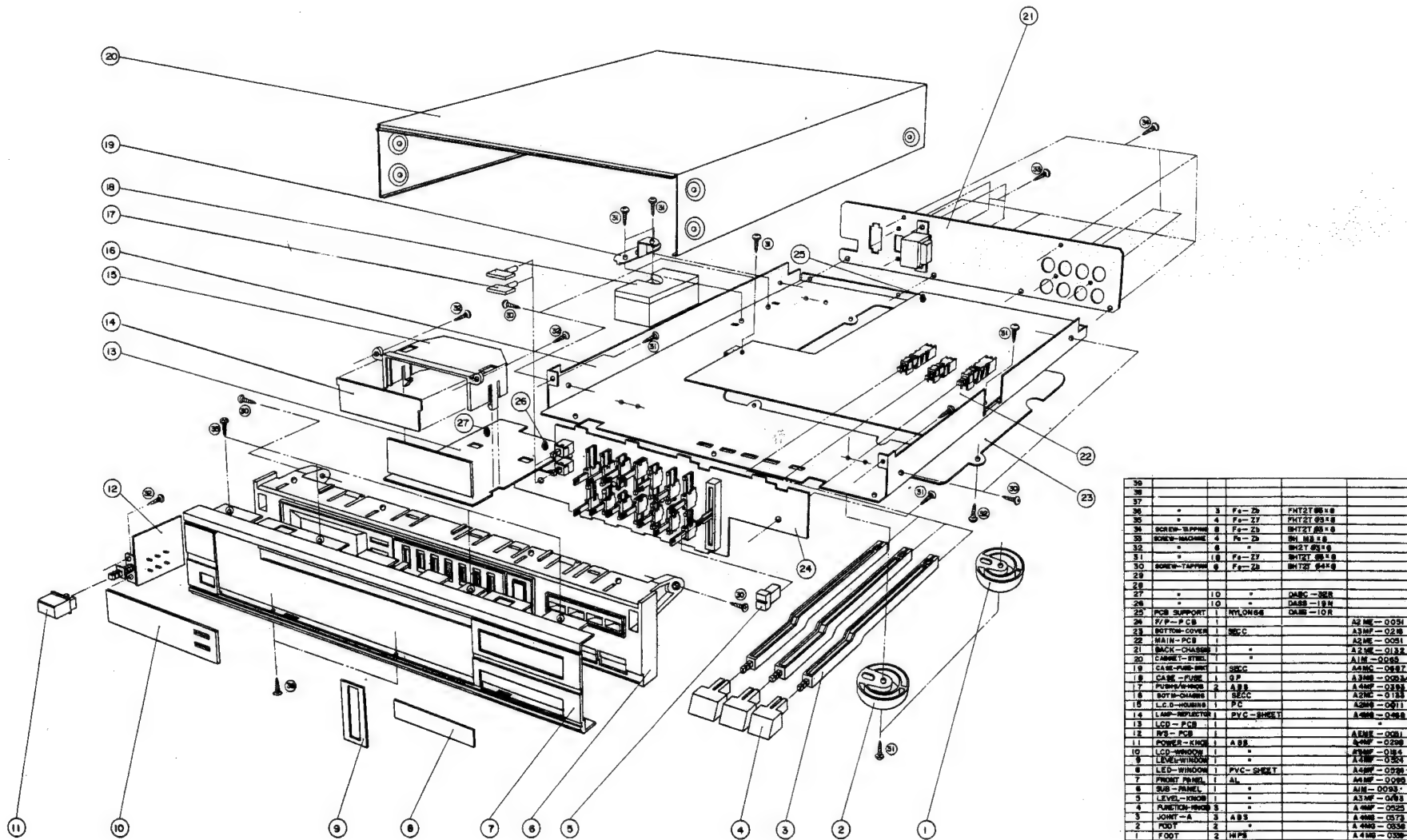


MODEL NO. TE-707SG
WIRING DIAGRAM



MODEL NO. TE-707SG BLOCK DIAGRAM





PAI

IC
IC
IC
IC
TRANSISTOR
FET
LCD DISPLAY
PILOT LAMP
LED

POWER TR
PUSH SWI
PUSH SWI
PUSH SWI
SLIDE VOL
SLIDE VOL

SLIDE VOL
AC CORD V
AC OUTLE
PCB
RCA JACK
SHORT JA
RCA CORD
TRANSIST
TRANSIST

TRANSISTOR
TRANSISTOR
ZENER DIODE
ZENER DIODE
ZENER DIODE
SILICON DIODE

SILICON DI
RECTIFIER

CAPACITOR
CAPACITOR

CAPACITOR

MODEL NO. TE-707SG
ELECTRICAL PARTS

PARTS NAME	UNIT	QTY	DESCRIPTION	LOCATION
IC	PC	1	AN6554	IC005
IC	PC	1	LC7561	IC006
IC	PC	1	LM324	IC004
IC	PC	3	MC4558C	IC001, 002, 003
TRANSISTOR	PC	2	2SC2878-B	Q021, 022
FET	PC	2	2SK246-GR	Q015, 016
LCD DISPLAY	PC	1	LCD9456P	LCD001
PILOT LAMP	PC	2	20V, 80mA, 5ø	PL001, 002
LED	PC	4	DLY-IC503T	LD001, 002, 003 LD004
POWER TRANS	PC	1	SAFETY STANDARD	
PUSH SWITCH	PC	1	2C2P, 1KEY, TR2112207	S001
PUSH SWITCH	PC	1	4C2P, 1KEY, R2320569	S003
PUSH SWITCH	PC	2	6C2P, 1KEY, R2321617	S002, 004
SLIDE VOLUME	PC	1	20KA, SINGLE, S4518PC	VR015
SLIDE VOLUME	PC	14	50KW, SINGLE, RS15H11	VR001, 002, 003, VR004, 005, 006, VR007, 008, 009, VR010, 011, 012, VR013, 014
SLIDE VOLUME	PC	1		
AC CORD W/PLUG	PC	1		
AC OUTLET	PC	1	SAFETY STANDARD	
PCB	PC	1	A1Q-092A-E	
RCA JACK	PC	2	AP4-0032A	
SHORT JACK	PC	2	RCA PLUG W/O CORD	
RCA CORD	PC	2	2P, RCA DOUBLE SIDE 0.6m	
TRANSISTOR	PC	1	KTA1015-Y	Q019
TRANSISTOR	PC	15	KTC1815-O	Q020, 001, 002, Q003, 004, 005, Q006, 007, 008, Q009, 010, 011, Q012, 013, 014 Q018
TRANSISTOR	PC	1	KTA966-Y	Q017
TRANSISTOR	PC	1	KTC2236-Y	D021
ZENER DIODE	PC	1	MT75.6B 1/2W	D020
ZENER DIODE	PC	1	MTZ13B, 1/2W	D015, 016, 018
ZENER DIODE	PC	3	MTZ15C, 1/2W	D003, 004, 005, D006, 007, 008, D009, 010
SILICON DIODE	PC	8	IS2473	D001, 002 D011, 012, 013, D014, 017, 019
SILICON DIODE	PC	2	IS2471	#C081, 082
RECTIFIER DIODE	PC	6	IN4001	#C079, 080, 087, #C088, 092 #C039, 040
CAPACITOR CERAMIC	PC		50V, 0.01uF, K, B	
CAPACITOR CERAMIC	PC	5	50V, 0.022uF, Z, F	
CAPACITOR CERAMIC	PC	2	50V, 240pF, J, SL	

MODEL NO. TE-707SG
ELECTRICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	LOCATION
CAPACITOR CERAMIC	PC	1	50V, 47pF, J, SL	#C050
CAPACITOR CERAMIC	PC	6	50V, 680pF, J, SL	#C031, 032, 033, #C034, 073
CAPACITOR E/ALUMINUM	PC	2	35V, 470uF, M-S, 10 x 20	#C083, 084
CAPACITOR E/ALUMINUM	PC	1	16V, 10uF, M-T, 5 x 11	#C095
CAPACITOR E/ALUMINUM	PC	4	25V, 220uF, M-T, 8 x 11.5	#C085, 086, 089, #C090
CAPACITOR E/ALUMINUM	PC	1	25V, 47uF, M-T, 6.3 x 11	#C094
CAPACITOR E/ALUMINUM	PC	11	35V, 10uF, M-T, 5 x 11	#C029, 030, 045, #C046, 047, 048, #C051, 052, 053, #C076, 077
CAPACITOR E/ALUMINUM	PC	1	35V, 47uF, M-T, 8 x 11.5	#C091
CAPACITOR E/ALUMINUM	PC	10	50V, 1.0uF, M-T, 5 x 11	#C007, 008, 056, #C059, 062, 065, #R068, 071, 074, #C075
CAPACITOR E/ALUMINUM	PC	1	50V, 22uF, M-T, 6.3 x 11	#C093
CAPACITOR E/ALUMINUM	PC	2	50V, 2.2uF, M-T, 5 x 11	#C003, 004
CAPACITOR E/ALUMINUM	PC	7	50V, 4.7uF, M-T, 5 x 11	#C035, 036, 037, #C038, 041, 042, #C049
CAPACITOR E/ALUMINUM	PC	2	50V, 0.1uF, M-T, 5 x 11	#C015, 016
CAPACITOR E/ALUMINUM	PC	4	50V, 0.33uF, M-T, 5 x 11	#C001, 002, 011, #C012
CAPACITOR F/POLYESTR	PC	2	50V, 0.001uF, J-T, 5.3 x 12.5	#C069, 070
CAPACITOR F/POLYESTR	PC	2	50V, 0.10uF, J-T, 12.1 x 14	#C054, 055
CAPACITOR F/POLYESTR	PC	2	50V, 0.0012uF, J-T, 5.4 x 12.5	#C025, 026
CAPACITOR F/POLYESTR	PC	2	50V, 0.18uF, J-T, 7.3 x 13	#C023, 024
CAPACITOR F/POLYESTR	PC	2	50V, 0.022uF, J-T, 7.4 x 13	#C013, 014
CAPACITOR F/POLYESTR	PC	2	50V, 0.0027uF, J-T, 5.7 x 12.5	#C021, 022
CAPACITOR F/POLYESTR	PC	5	50V, 0.033uF, J-T, 8.1 x 13	#C043, 044, 066, #C067, 078
CAPACITOR F/POLYESTR	PC	2	50V, 0.039uF, J-T, 8.5 x 13.5	#C009, 010
CAPACITOR F/POLYESTR	PC	2	50V, 0.047uF, J-T, 8.9 x 13.5	#C019, 020
CAPACITOR F/POLYESTR	PC	2	50V, 0.0056uF, J-T, 5.8 x 12.5	#C017, 018
CAPACITOR F/POLYESTR	PC	2	50V, 0.056uF, J-T, 9.5 x 14	#C005, 006
CAPACITOR F/POLYESTR	PC	4	50V, 0.0068uF, J-T, 5.8 x 12.5	#C027, 028, 063, #C064
CAPACITOR F/POLYESTR	PC	2	50V, 0.082uF, J-T, 10.6 x 14	#C057, 058
RESISTOR CARBON FILM	PC	10	1/4W, 10ohm, 5%	#R057, 058, 079, #R080, 081, 082, #R095, 096, 130, #R131
RESISTOR CARBON FILM	PC	4	1/4W, 100ohm, 5%	#R059, 060, 063, #R064
RESISTOR CARBON FILM	PC	3	1/4W, 1Kohm, 5%	#R094, 098, 140
RESISTOR CARBON FILM	PC	3	1/4W, 10Kohm, 5%	#R126, 142, 143
RESISTOR CARBON FILM	PC	7	1/4W, 100Kohm, 5%	#R083, 084, 091, #R137, 138, 144, #R145

MODEL NO. TE-707SG
ELECTRICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	LOCATION
RESISTOR CARBON FILM	PC	1	1/4W, 1.2Kohm, 5%	#R114
RESISTOR CARBON FILM	PC	16	1/4W, 12Kohm, 5%	#R007, 008, 015, #R016, 023, 024, #R031, 032, 039, #R040, 047, 048, #R055, 056, 071, #R072
RESISTOR CARBON FILM	PC	2	1/4W, 150ohm, 5%	#R043, 044
RESISTOR CARBON FILM	PC	2	1/4W, 180ohm, 5%	#R051, 052
RESISTOR CARBON FILM	PC	1	1/4W, 1.8Kohm, 5%	#R110
RESISTOR CARBON FILM	PC	4	1/4W, 200ohm, 5%	#R003, 004, 027, #R028
RESISTOR CARBON FILM	PC	2	1/4W, 20Kohm, 5%	#R109, 113
RESISTOR CARBON FILM	PC	2	1/4W, 220ohm, 5%	#R135, 136
RESISTOR CARBON FILM	PC	1	1/4W, 22Kohm, 5%	#R128
RESISTOR CARBON FILM	PC	2	1/4W, 220Kohm, 5%	#R069, 070
RESISTOR CARBON FILM	PC	5	1/4W, 240ohm, 5%	#R019, 020, 035, #R036, 122
RESISTOR CARBON FILM	PC	2	1/4W, 27Kohm, 5%	#R117, 125
RESISTOR CARBON FILM	PC	12	1/4W, 270Kohm, 5%	#R087, 088, 089, #R090, 100, 104, #R108, 112, 116, #R120, 124, 129
RESISTOR CARBON FILM	PC	4	1/4W, 300ohm, 5%	#R011, 012, 102, #R106
RESISTOR CARBON FILM	PC	1	1/4W, 3Kohm, 5%	#R148
RESISTOR CARBON FILM	PC	3	1/4W, 330ohm, 5%	#R077, 078, 092
RESISTOR CARBON FILM	PC	4	1/4W, 33Kohm, 5%	#R085, 086, 101, #R105
RESISTOR CARBON FILM	PC	2	1/4W, 330Kohm, 5%	#R111, 115
RESISTOR CARBON FILM	PC	1		#R097
RESISTOR CARBON FILM	PC	16	1/4W, 390ohm, 5%	#R001, 002, 009, #R010, 017, 018, #R025, 026, 033, #R034, 041, 042, #R049, 050, 067, #R068
RESISTOR CARBON FILM	PC	4	1/4W, 3.9Kohm, 5%	#R073, 074, 075, #R076
RESISTOR CARBON FILM	PC	4	1/4W, 470ohm, 5%	#R133, 133, 134, #R134
RESISTOR CARBON FILM	PC	16	1/4W, 47Kohm, 5%	#R005, 005, 006, #R013, 013, 014, #R014, 021, 021, #R022, 022, 029, #R029, 030, 030
RESISTOR CARBON FILM	PC	2	1/4W, 51ohm, 5%	#R146, 146
RESISTOR CARBON FILM	PC	2	1/4W, 5.1Kohm, 5%	#R121, 121
RESISTOR CARBON FILM	PC	10	1/4W, 51Kohm, 5%	#R061, 061, 062, #R062, 065, 065, #R065, 066, 066, #R127, 127

MODEL NO. TE-707SG
ELECTRICAL PARTS

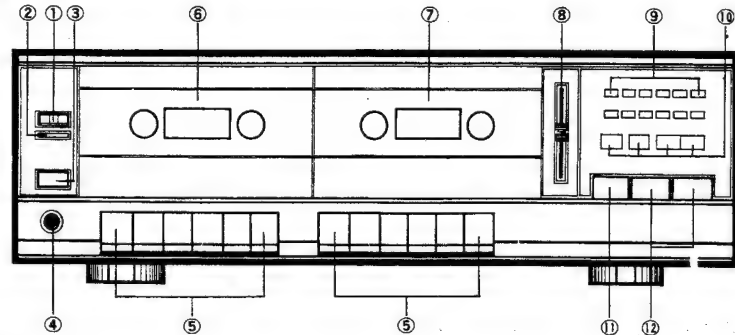
PARTS NAME	UNIT	QTY	DESCRIPTION	LOCATION
RESISTOR CARBON FILM	PC	4	1/4W, 510Kohm, 5%	#R103, 103, 107, #R107
RESISTOR CARBON FILM	PC	2	1/4W, 5.6Kohm, 5%	#R139, 139
RESISTOR CARBON FILM	PC	8	1/4W, 56Kohm, 5%	#R037, 037, 038, #R038, 053, 053, #R054, 054
RESISTOR CARBON FILM	PC	2	1/4W, 620Kohm, 5%	#R099, 099
RESISTOR CARBON FILM	PC	2	1/4W, 680ohm, 5%	#R147, 147
RESISTOR CARBON FILM	PC	4	1/4W, 68Kohm, 5%	#R045, 045, 046, #R046
RESISTOR CARBON FILM	PC	4	1/4W, 680Kohm, 5%	#R119, 119, 123, #R123
RESISTOR CARBON FILM	PC	2	1/4W, 75Kohm, 5%	#R132, 132
RESISTOR CARBON FILM	PC	8	1/4W, 820ohm, 5%	#R118, 118, 149, #R149, 150, 150, #R151, 151
RESISTOR CARBON FILM	PC	2	1/4W, 82Kohm, 5%	#R093, 093
RESISTOR CARBON FILM	PC	2	1/2W, 4.7Kohm, 5%	#R141, 141
RESISTOR JUMPER WIRE	M	12.6000	60mm-TX123	#/105, #/105

MODEL NO. TE-707SG
MECHANICAL PARTS

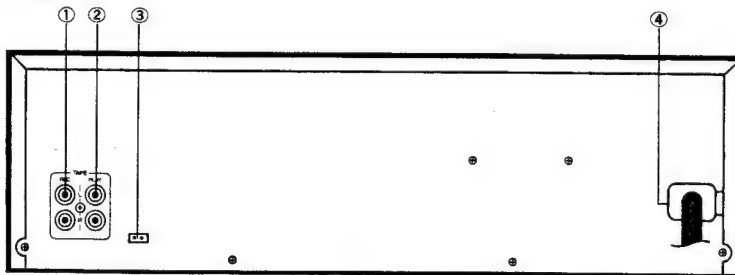
PARTS NAME	UNIT	QTY	DESCRIPTION	LOCATION
PANEL SUB	PC	1		
KNOB FUNCTION	PC	3		
KNOB LEVEL	PC	1		
KNOB POWER	PC	1		
JOINT A	PC	3		
HOUSING LCD	PC	1		
HOUSING LED	PC	1		
FILTER LED	PC	1		
PANEL FRONT	PC	1		
WINDOW LED	PC	1		
WINDOW LEVEL	PC	1		
WINDOW LCD	PC	1		
REFLECTOR LAMP	PC	1		
CABINET STEEL	PC	1		
CHASSIS BACK	PC	1		
CHASSIS BOTTOM	PC	1		
BOTTOM COVER	PC	1		
FOOT	PC	4		
FOOT	PC	2 GOLD HOT STAMPING		
CUSHION	PC	4		
CORD BUSH	PC	1		
PCB SUPPORT	PC	1		
PCB SUPPORT	PC	2		
PCB CUSHION	PC	3	30 x 20 x 10t	
GIFT BOX	PC	1		
STYRO FOAM	PC	2		
POLY BAG (SET)	PC	1	750 x 370 x 0.05t	
CABLE TIE	PC	5		
SILICAGEL	PC	1		
WARRANTY CARD	PC	1		
CHECK SHEET	PC	1		
INSPECTION LABEL	PC	1		
SERIAL LABEL	PC	1		
A/S GUIDENCE	PC	1		
POLY BAG (I)	PC	1		
INST-MANUAL	PC	1		
RECTANGLE WGSHER B	PC	2		
SCREW TAPPING	PC	4		
SCREW TAPPING	PC	19	BH T2T ø3 x6 Fe-Zy	
SCREW TAPPING	PC	8	BH T2T ø3 x8 Fe-Zy	
SCREW TAPPING	PC	4	BH T2T ø3 x8 Fe-ZB	
SCREW TAPPING	PC	4	FH T2T ø3 x8 Fe-Zy	
SCREW TAPPING	PC	3	FH T2T ø3 x8 Fe-ZB	
SCREW MACHINE	PC	2	BH M4 x8 Fe-ZB	
SCREW TAPPING	PC	4	BH T2T ø4 x8 Fe-ZB	

MODEL NO. TD-703DMS STEREO DOUBLE CASSETTE DECK

FRONT PANEL



REAR PANEL



FRONT PANEL FEATURES

- 1. Tape Counter (Tape A, Record and Play only)**
Can be used for easy reference and indexing of selections.
- 2. Reset Button (Tape A, Record and Playback only)**
Press to reset the TAPE COUNTER to "000".
- 3. Power Switch**
When pressed in, this supplies AC power to the unit.
- 4. Microphone Jack**
Inserting a microphone plug into this jack.

5. Tape Transport Controls

- Pause Button (||):**
To temporarily stop a tape in PLAY or RECORD mode.
- Stop Button (■):**
To stop a tape in any mode.
- FF Button (▶▶):**
For rapid advancement to any desired point on the tape.
- Play Button (▶):**
To play back a tape.
- Rewind Button (◀◀):**
To rapidly rewind a tape.
- Record Button (●) (Tape A only):**
Press to make a tape recording.

(Tape A only) Since this unit is equipped with a single-touch recording feature, there is no need to press the PLAY button at the same time.

Auto Reverse Mode Button (Tape B only):

When Mode button is at off position (■ < >), Auto reverse function is continued permanently. When Mode button is at on position (▲ >), Auto reverse function works one time.

Direction Button

To listen to the sound of the other side without opening the door, press this button.

6. Cassette Compartment A

Tape A, Recording and Playback.

7. Cassette Compartment B

Tape B, Playback only.

8. Record Level Control

This control adjust the recording input level.

9. Peak Level Display

The LEFT and RIGHT LED PEAK LEVEL display accurately show the signal strength. Set the REC LEVEL controls so that the PEAK LEVEL display does not travel into the orange zone of the scale. Occasional flashes are acceptable, but if the signal is allowed to consistently illuminate the orange zone of the display, audible distortion may occur.

10. LED Indicator

This indicator displays RECORD, REMOTE PAUSE, TAPE DIRECTIONS (Tape B only).

Record:

Lights up on the LED indicator when Tape A is recording.

Remote Pause:

Lights up on the LED indicator when Tape A or Tape B are in the remote pause mode.

Tape Directions (Tape B only):

Lights up on the LED Indicator in according to tape directions.

11. Dolby NR Button

This model is equipped with Dolby B NR.

12. Dubbing Switch (Normal/Hi-Dubbing)

For details, please refer to the instructions.

2. Line output Jack (Play)

Should be connected to the tape Monitor inputs of your amplifier or receiver. Note that "L" is white and "R" is red.

3. Remote Pause

If there is a Remote Pause jack on the pre-main amplifier or receiver, connect these two pin jacks.

4. AC Power Cord

With the POWER switch set to the OFF position, plug the AC line cord into an AC outlet providing the proper voltage.

SPECIFICATIONS

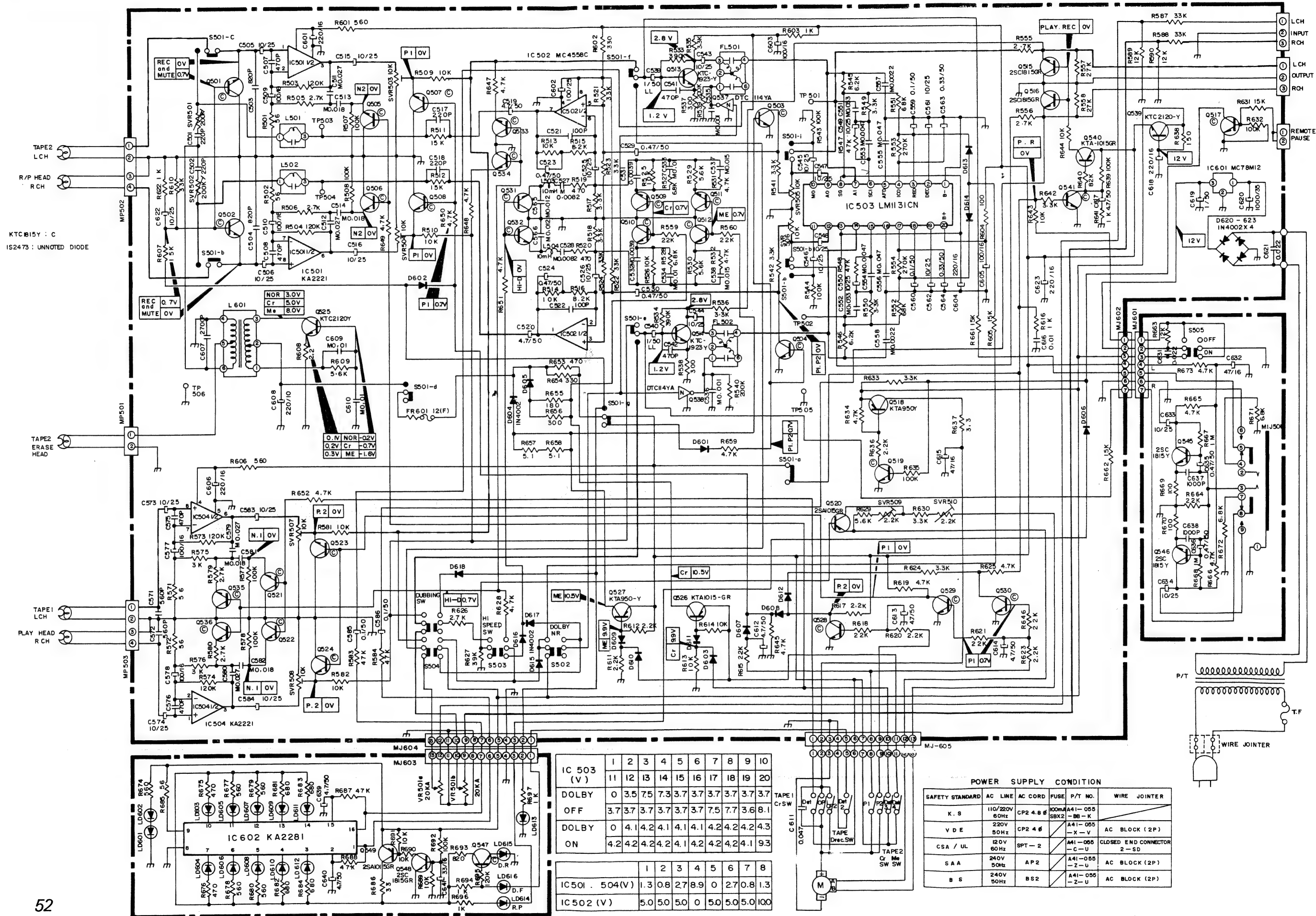
Head	: Deck B 1 Head System Playback: Super hard metal alloy Deck A, 2 Head System REC/Play: Super Hard Metal Alloy Erase: Dual Cap Ferrite
Drive System	: Soft Mecha Touch
Motor	: DC 12V, Motor (1 Motor)
Tape Speed	: 4.75 Cm/sec.
Wow Flotter	: 0.08%
Frequency Response	: Metal 40 Hz - 15 KHz CrO2 40 Hz - 14 KHz Normal 40 Hz - 13 KHz
Signal to Noise Ratio	: 64 dB (Dolby On)
T.H.D.	: 1% (CrO2)
Bias Frequency	: 85 KHz
Input Sensitivity	: Mic 1.5 mV Line 90 mV
Power Supply Voltage	: Safety Standard
Power Consumption	: 15 W
Demension	: 420(W) x 120(H) x 256(D) mm
Weight	: 3.8 Kg

REAR PANEL CONNECTIONS

1. Line Input Jack (Record)

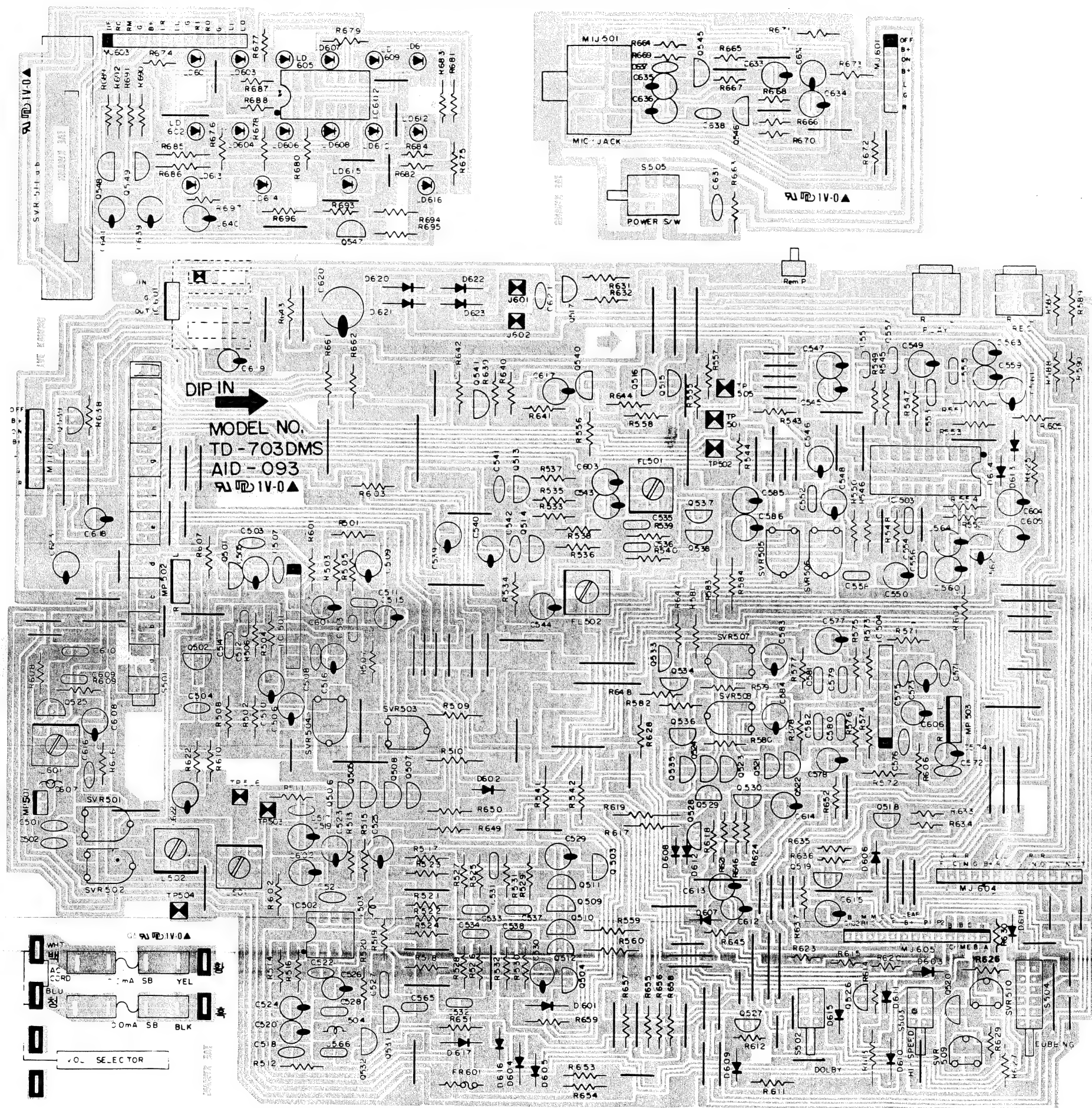
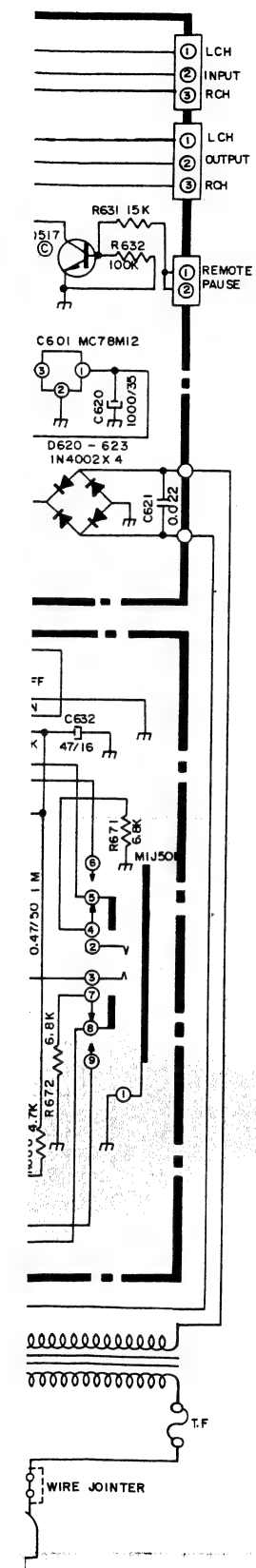
Should be connected to the tape output jacks of your amplifier or receiver. Note that "L" is white and "R" is red.

MODEL NO.TD-703DMS SCHEMATIC DIAGRAM

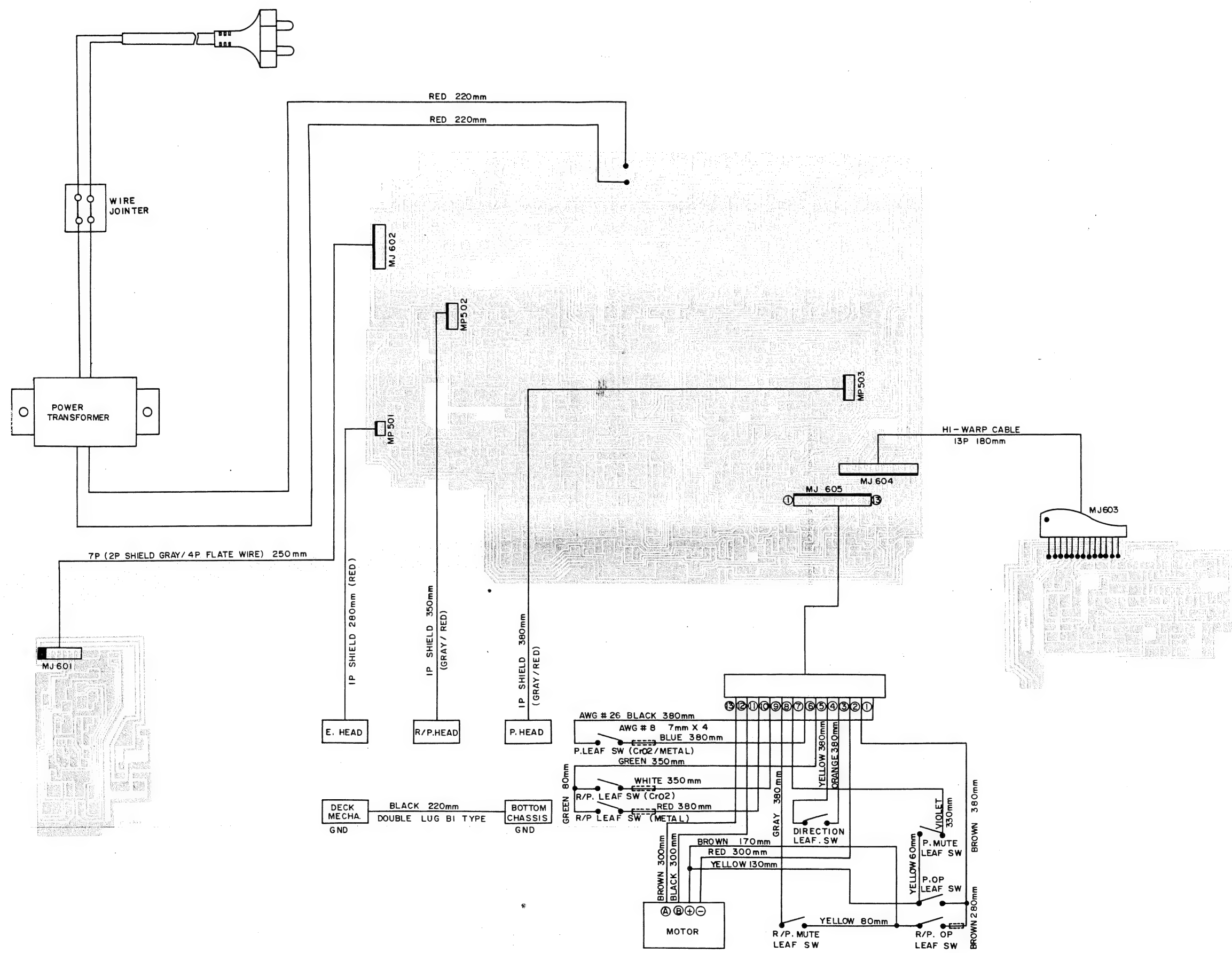


MODEL NO. TD-703DMS

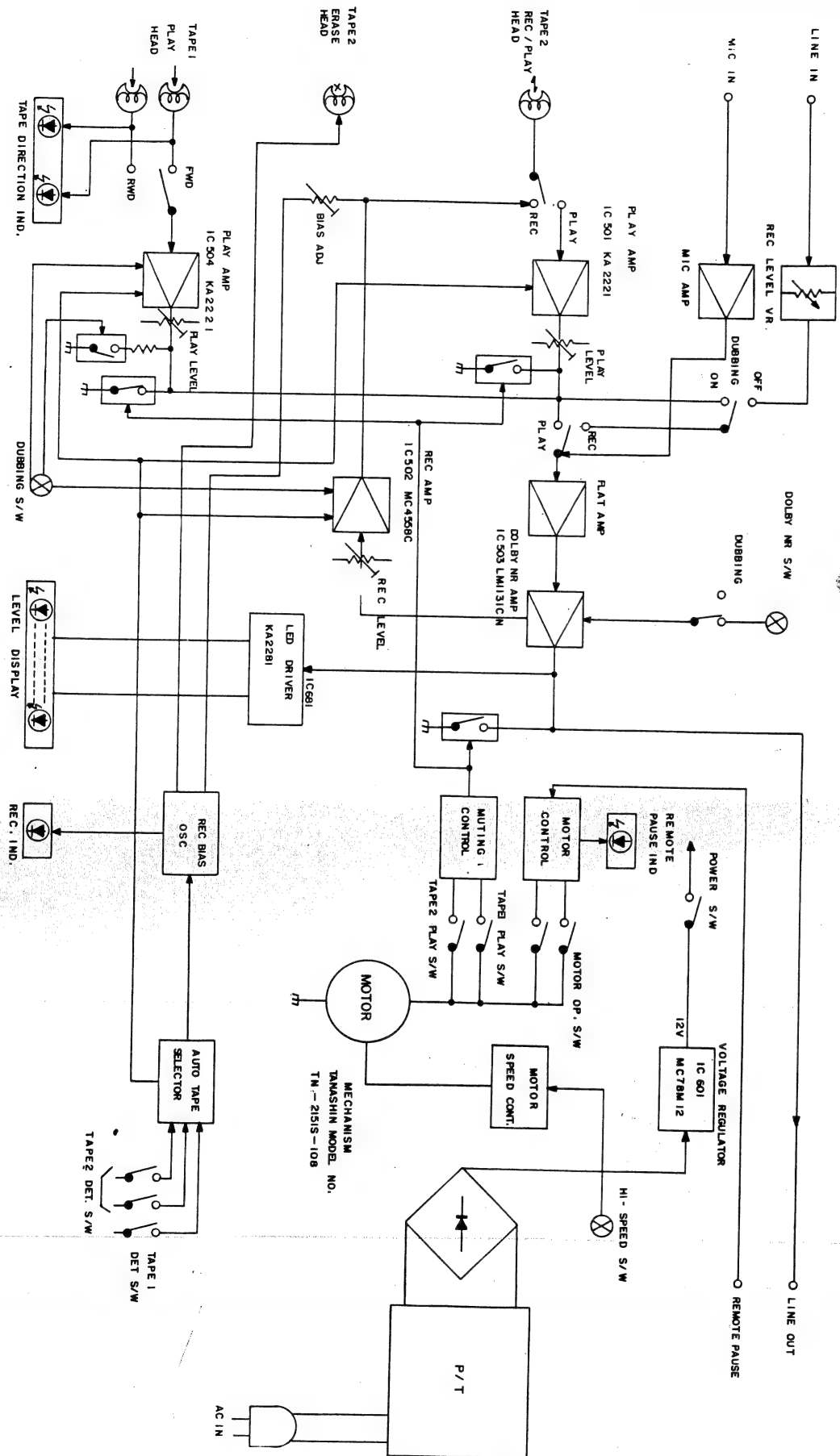
PCB LAYOUT



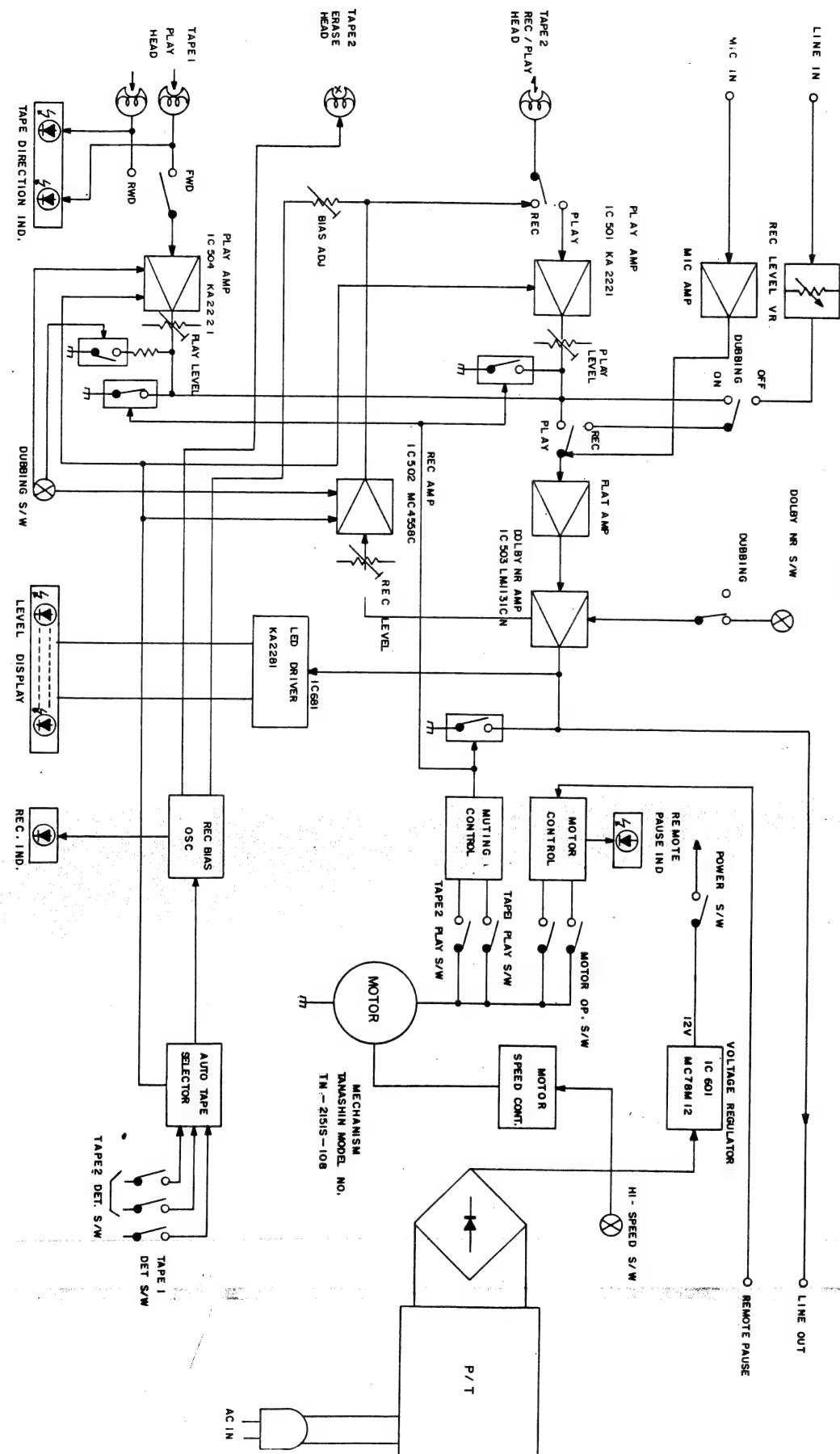
MODEL NO. TD-703DMS
WIRING DIAGRAM



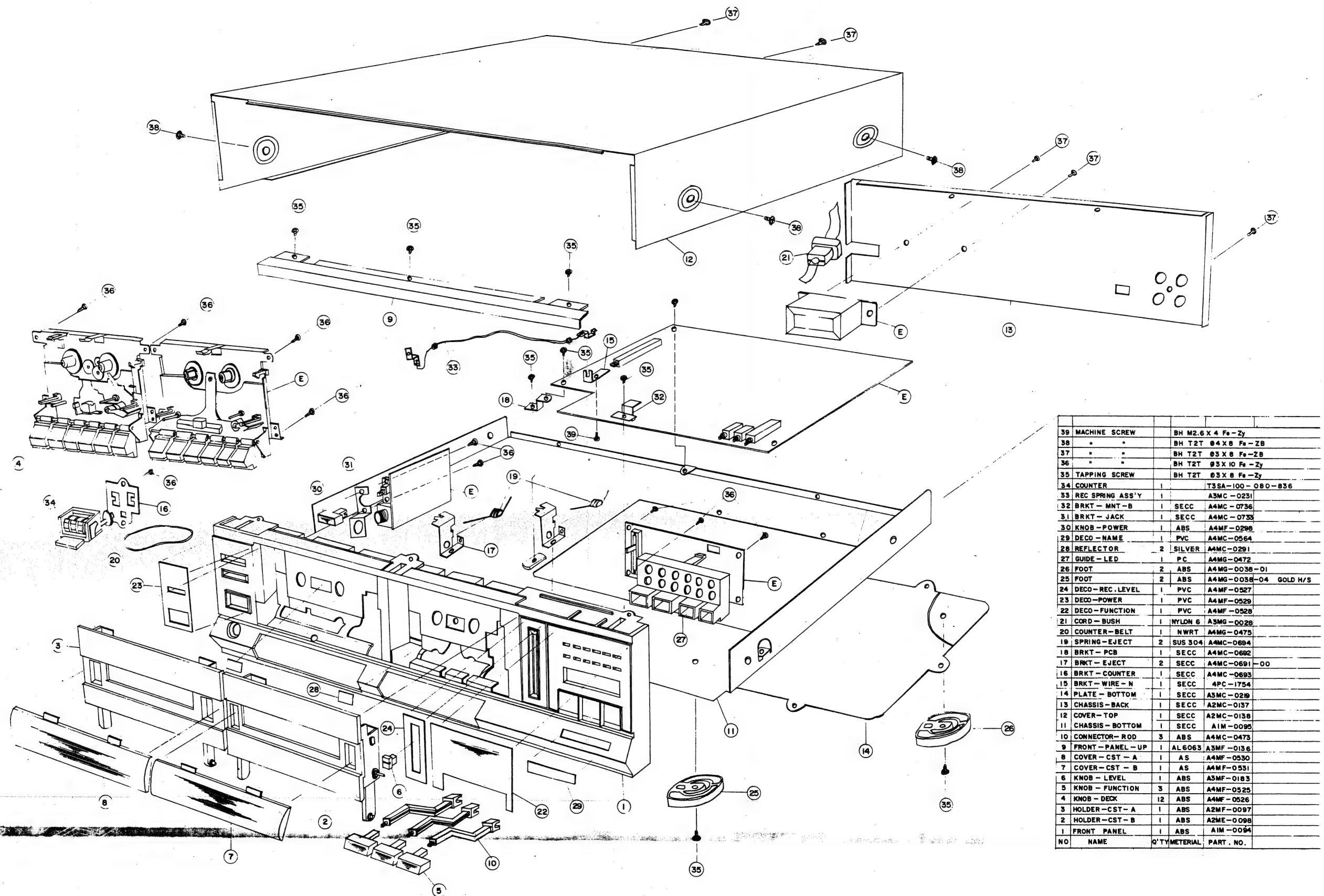
MODEL NO. TD-703DMS
BLOCK DIAGRAM



MODEL NO. TD-703DMS
BLOCK DIAGRAM



MODEL NO. TD-703DMS
EXPLODED VIEW



39	MACHINE SCREW		BH M2.6 X 4 Fe-Zy	
38	" "		BH T2T Ø4 X 8 Fe-ZB	
37	" "		BH T2T Ø3 X 8 Fe-ZB	
36	" "		BH T2T Ø3 X 10 Fe-Zy	
35	TAPPING SCREW		BH T2T Ø3 X 8 Fe-Zy	
34	COUNTER	1	T3SA-100-080-836	
33	REC SPRING ASS'Y	1	A3MC-0231	
32	BRKT - MNT-B	1	SECC A4MC-0736	
31	BRKT - JACK	1	SECC A4MC-0733	
30	KNOB-POWER	1	ABS A4MF-0298	
29	DECO - NAME	1	PVC A4MC-0564	
28	REFLECTOR	2	SILVER A4MC-0291	
27	GUIDE-LED	1	PC A4MG-0472	
26	FOOT	2	ABS A4MG-0038-01	
25	FOOT	2	ABS A4MG-0058-04	GOLD H/S
24	DECO-REC.LEVEL	1	PVC A4MF-0527	
23	DECO-POWER	1	PVC A4MF-0529	
22	DECO-FUNCTION	1	PVC A4MF-0528	
21	CORD-BUSH	1	NYLON 6 A3MG-0028	
20	COUNTER-BELT	1	NWRT A4MG-0475	
19	SPRING-EJECT	2	SUS 304 A4MC-0694	
18	BRKT-PCB	1	SECC A4MC-0692	
17	BRKT-EJECT	2	SECC A4MC-0691	00
16	BRKT-COUNTER	1	SECC A4MC-0693	
15	BRKT-WIRE-N	1	SECC 4PC-1754	
14	PLATE-BOTTOM	1	SECC A3MC-0219	
13	CHASSIS-BACK	1	SECC A2MC-0137	
12	COVER-TOP	1	SECC A2MC-0138	
11	CHASSIS-BOTTOM	1	SECC A1M-0095	
10	CONNECTOR-ROD	3	ABS A4MC-0473	
9	FRONT-PANEL-UP	1	AL 6063 A3MF-0136	
8	COVER-CST-A	1	AS A4MF-0530	
7	COVER-CST-B	1	AS A4MF-0531	
6	KNOB-LEVEL	1	ABS A3MF-0183	
5	KNOB-FUNCTION	3	ABS A4MF-0525	
4	KNOB-DECK	12	ABS A4MF-0526	
3	HOLDER-CST-A	1	ABS A2MF-0097	
2	HOLDER-CST-B	1	ABS A2ME-0098	
1	FRONT PANEL	1	ABS A1M-0094	
NO	NAME	Q'TY	MATERIAL	PART. NO.

MODEL NO.TD-703DMS
ELECTRICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	LOCATION
IC	PC	1	LM1131CN	IC503
IC	PC	2	KA2221	IC501, 504
IC	PC	1	KA2281	IC602
IC	PC	1	MC4558C	IC502
IC	PC	1	MC73M12	IC601
LED	PC	10	SLR-54MC-5	LD601, 602, 603, LD604, 605, 606, LD607, 608, 615, LD616
LED	PC	1	SLR-54VC-5	LD613
LED	PC	5	SLR54DC-5	LD609, 610, 611, LD612, 614
DECK MECHANISM	PC	1	TN2151S-108	
SLIDE VR.	PC	1	20KA DOUBLE	SVR511a, b
SLIDE SW.	PC	1	9C2P, W/MUTE, T00920001	S501, a-i
PUSH SW.	PC	1	1KEY 2C2P, TR2112055	S505
PUSH SW.	PC	2	1KEY 2C2P, R2320602A	S502, 503
PUSH SW.	PC	1	1KEY, 4C2P, R2320569	S504
SEMI FIXED RESISTOR	PC	2	2.2KB	SVR509, 510
SEMI FIXED RESISTOR	PC	6	10KB	SVR503, 504, 505, SVR506, 507, 508 SVR501, 502
SEMI FIXED RESISTOR	PC	2	200KB	
MIC JACK (METAL LESS)	PC	1	6.3a, HLJ-4306-01-3010	
RCA JACK	PC	1	4P, AP4-0032A	
DOLBY FILTER COIL	PC	2	19KHZ, 184015	FL501, 502
BIAS OSC COIL	PC	1	85KHZ, 191011	L601
BIAS TRAP COIL	PC	2	85KHZ, 184014	L501, 502
PEAKING COIL	PC	2	10mH, MOLDING	L503, 504
PHONE CORD	PC	2	2P, RCA PULG DOUBLE L:0.6m	
AC CORD W/PLUG	PC	1	SAFETY STANDARD	
POWER TRANSFORMER	PC	1	SAFETY STANDARD	
WIRE JOINTER	PC	1	SAFETY STANDARD	
PCB	PC	1	AID-093	
TRANSISTOR	PC	2	KTA950Y	Q518, 527
TRANSISTOR	PC	4	KTA1015-GR	Q520, 526, 540, Q549
TRANSISTOR	PC	4	KTC1815-GR	Q515, 516, 547, Q548
TRANSISTOR	PC	30	KTC1815-Y	Q501, 502, 503, Q504, 505, 506, Q507, 508, 509, Q510, 511, 512, Q517, 519, 521, Q522, 523, 524, Q528, 529, 530, Q531, 532, 533, Q534, 535, 536, Q541, 545, 546
TRANSISTOR	PC	2	KTC1923-Y	Q513, 514
TRANSISTOR	PC	2	KTC2120-Y	Q525, 539
DIGITAL TRANSISTOR	PC	2	DTC114YA	Q537, 538
RECTIFIER DIODE	PC	6	IN4002	D604, 615, 620, D621, 622, 623

MODEL NO.TD-703DMS
ELECTRICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	LOCATION
SILICON DIODE	PC	16	IS2473	D601, 602, 603, D605, 606, 607, D608, 609, 610, D611, 612, 613, D614, 616, 617, D618 #C611
CAPACITOR CERAMIC	PC	1	50V, 0.047uF, Z, F	#C637, 638
CAPACITOR CERAMIC	PC	2	50V, 1000pF, K, B	#C616
CAPACITOR CERAMIC	PC	1	50V, 0.01uF, Z, F	#C621, 631
CAPACITOR CERAMIC	PC	2	50V, 0.022uF, Z, F	#C521, 522
CAPACITOR CERAMIC	PC	4	50V, 100pF, J, SL	#C501, 502, 517, #C518
CAPACITOR CERAMIC	PC	1	50V, 220pF, J, CH	#C507, 508, 541, #C542, 575, 576 #C571, 572
CAPACITOR CERAMIC	PC	6	50V, 470pF, J, SL	#C503, 504
CAPACITOR CERAMIC	PC	2	50V, 560pF, J, SL	#C509, 510, 577
CAPACITOR CERAMIC	PC	2	50V, 820pF, J, SL	#C578, 603, 605
CAPACITOR E/ALUMINUM	PC	6	35V, 1000uF, M-S, 16 x 25	#C601, 604, 606, #C608, 618, 623
CAPACITOR E/ALUMINUM	PC	6	16V, 220uF, M-T, 8 x 11.5	#C641
CAPACITOR E/ALUMINUM	PC	1	16V, 33uF, M-T, 5 x 11	#C615, 632
CAPACITOR E/ALUMINUM	PC	2	16V, 47uF, M-T, 6.3 x 11	#C505, 506, 515, #C516, 525, 526, #C543, 544, 545, #C546, 547, 548, #C549, 550, 561, #C562, 573, 574, #C583, 584, 622, #C633, 634
CAPACITOR E/ALUMINUM	PC	23	25V, 10uF, M-T, 5 x 11	#C602
CAPACITOR E/ALUMINUM	PC	1	25V, 100uF, M-T, 8 x 11.5	#C619
CAPACITOR E/ALUMINUM	PC	1	50V, 1.0uF, M-T, 5 x 11	#C519, 520, 612, #C613, 614, 617, #C639, 640
CAPACITOR E/ALUMINUM	PC	8	50V, 4.7uF, M-T, 5 x 11	#C559, 560, 585, #C586
CAPACITOR E/ALUMINUM	PC	4	50V, 0.1uF, M-T, 5 x 11	#C563, 564
CAPACITOR E/ALUMINUM	PC	2	50V, 0.33uF, M-T, 5 x 11	#C523, 524, 529, #C530, 635, 636
CAPACITOR E/ALUMINUM	PC	6	50V, 0.47uF, M-T, 5 x 11	#C539, 540
CAPACITOR E/LOW LEAK	PC	2	50V, 1uF, M-T, 5 x 11	#C607
CAPACITOR POLYNTYLEN	PC	1	125V, 2700pF, J-S, 7 x 10	#C535, 536
CAPACITOR F/POLYESTR	PC	2	50V, 0.001uFm J-T, 5.3 x 12.5	#C533, 534, 609, #C610
CAPACITOR F/POLYESTR	PC	4	50V, 0.010uF, J-T, 6.8 x 13	#C565, 566
CAPACITOR F/POLYESTR	PC	2	50V, 0.012uF, J-T, 7.0 x 13	#C537, 538
CAPACITOR F/POLYESTR	PC	2	50V, 0.015uF, J-T, 7.1 x 13	#C513, 514, 581, #C582
CAPACITOR F/POLYESTR	PC	4	50V, 0.018uF, J-T, 7.3 x 13	#C557, 558
CAPACITOR F/POLYESTR	PC	2	50V, 0.0022uF, J-T, 5.5 x 12.5	#C511, 512, 579, #C580
CAPACITOR F/POLYESTR	PC	4	50V, 0.027uF, J-T, 7.8 x 13	#C551, 552
CAPACITOR F/POLYESTR	PC	2	50V, 0.033uF, J-T, 8.1 x 13	

MODEL NO.TD-703DMS
ELECTRICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	LOCATION
CAPACITOR F/POLYESTR	PC	2	50V, 0.0039uF, J-T, 5.8 x 12.5	#C531, 532
CAPACITOR F/POLYESTR	PC	2	50V, 0.0047uF, J-T, 5.8 x 12.5	#C553, 554
CAPACITOR F/POLYESTR	PC	2	50V, 0.047uF, J-T, 8.9 x 13.5	#C555, 556
CAPACITOR F/POLYESTR	PC	2	50V, 0.0082uF, J-T, 6.5 x 12.5	#C527, 528
RESISTOR CARBON FILM	PC	2	1/5W, 100ohm, 5%	#R669, 670
RESISTOR CARBON FILM	PC	1	1/5W, 1Kohm, 5%	#R697
RESISTOR CARBON FILM	PC	1	1/5W, 10Kohm, 5%	#R614
RESISTOR CARBON FILM	PC	1	1/5W, 100Kohm, 5%	#R635
RESISTOR CARBON FILM	PC	2	1/5W, 1Mohm, 5%	#R667, 668
RESISTOR CARBON FILM	PC	5	1/5W, 2.2Kohm, 5%	#R612, 615, 620, #R623, 636
RESISTOR CARBON FILM	PC	1	1/5W, 22Kohm, 5%	#R664
RESISTOR CARBON FILM	PC	2	1/5W, 3.3Kohm, 5%	#R630, 633
RESISTOR CARBON FILM	PC	4	1/5W, 4.7Kohm, 5%	#R634, 645, 665, #R666
RESISTOR CARBON FILM	PC	2	1/5W, 47Kohm, 5%	#R687, 688
RESISTOR CARBON FILM	PC	2	1/5W, 560ohm, 5%	#R674, 677
RESISTOR CARBON FILM	PC	1	1/5W, 5.6Kohm, 5%	#R629
RESISTOR CARBON FILM	PC	2	1/5W, 680ohm, 5%	#R682, 684
RESISTOR CARBON FILM	PC	1	1/5W, 820ohm, 5%	#R693
RESISTOR CARBON FILM	PC	1	1/4W, 100ohm, 5%	#R604
RESISTOR CARBON FILM	PC	6	1/4W, 1Kohm, 5%	#R603, 616, 622, #R641, 694, 696
RESISTOR CARBON FILM	PC	14	1/4W, 10Kohm, 5%	#R509, 510, 513 #R514, 525, 526, #R581, 582, 613 #R643, 644, 689, #R690, 691
RESISTOR CARBON FILM	PC	9	1/4W, 100Kohm, 5%	#R507, 508, 543, #R544, 577, 578, #R632, 639, 692
RESISTOR CARBON FILM	PC	3	1/4W, 12Kohm, 5%	#R589, 590, 663
RESISTOR CARBON FILM	PC	5	1/4W, 120Kohm, 5%	#R503, 504, 573, #R574, 695
RESISTOR CARBON FILM	PC	1	1/4W, 150ohm, 5%	#R638
RESISTOR CARBON FILM	PC	7	1/4W, 15Kohm, 5%	#R511, 512, 605, #R607, 631, 661, #R662
RESISTOR CARBON FILM	PC	1	1/4W, 180ohm, 5%	#R655
RESISTOR CARBON FILM	PC	2	1/4W, 200Kohm, 5%	#R539, 540
RESISTOR CARBON FILM	PC	2	1/4W, 2.2Kohm, 5%	#R611, 617
RESISTOR CARBON FILM	PC	5	1/4W, 22Kohm, 5%	#R559, 560, 618, #R621, 646
RESISTOR CARBON FILM	PC	7	1/4W, 2.7Kohm, 5%	#R505, 506, 555, #R556, 579, 580, #R626
RESISTOR CARBON FILM	PC	2	1/4W, 27Kohm, 5%	#R557, 558
RESISTOR CARBON FILM	PC	2	1/4W, 270Kohm, 5%	#R553, 554
RESISTOR CARBON FILM	PC	1	1/4W, 2.2ohm, 5%	#R608
RESISTOR CARBON FILM	PC	3	1/4W, 300ohm, 5%	#R537, 538, 656
RESISTOR CARBON FILM	PC	2	1/4W, 3Kohm, 5%	#R575, 576
RESISTOR CARBON FILM	PC	1	1/4W, 33ohm, 5%	#R686

MODEL NO.TD-703DMS
ELECTRICAL PARTS

PARTS NAME	UNIT	Q'TY	DESCRIPTION	LOCATION
RESISTOR CARBON FILM	PC	2	1/4W, 330ohm, 5%	#R602, 654
RESISTOR CARBON FILM	PC	10	1/4W, 3.3Kohm, 5%	#R517, 518, 535, #R536, 541, 542, #R549, 550, 624, #R642
RESISTOR CARBON FILM	PC	7	1/4W, 33Kohm, 5%	#R521, 522, 523, #R524, 587, 588, #R610
RESISTOR CARBON FILM	PC	1	1/4W, 39Kohm, 5%	#R627
RESISTOR CARBON FILM	PC	2	1/4W, 390Kohm, 5%	#R533, 534
RESISTOR CARBON FILM	PC	1	1/4W, 3.3ohm, 5%	#R637
RESISTOR CARBON FILM	PC	5	1/4W, 470ohm, 5%	#R519, 520, 653, #R675, 676
RESISTOR CARBON FILM	PC	13	1/4W, 4.7Kohm, 5%	#R531, 532, 619, #R625, 628, 647, #R648, 649, 650, #R651, 652, 659, #R673
RESISTOR CARBON FILM	PC	4	1/4W, 47Kohm, 5%	#R547, 548, 583, #R584
RESISTOR CARBON FILM	PC	5	1/4W, 56ohm, 5%	#R501, 502, 571, #R572, 685
RESISTOR CARBON FILM	PC	5	1/4W, 560ohm, 5%	#R601, 606, 678, #R679, 680
RESISTOR CARBON FILM	PC	3	1/4W, 5.6Kohm, 5%	#R529, 530, 609
RESISTOR CARBON FILM	PC	2	1/4W, 5.1ohm, 5%	#R657, 658
RESISTOR CARBON FILM	PC	2	1/4W, 6.2Kohm, 5%	#R545, 546
RESISTOR CARBON FILM	PC	2	1/4W, 680ohm, 5%	#R681, 683
RESISTOR CARBON FILM	PC	4	1/4w, 6.8Kohm, 5%	#R527, 528, 671, #R672
RESISTOR CARBON FILM	PC	2	1/4W, 68Kohm, 5%	#R551, 552
RESISTOR CARBON FILM	PC	2	1/4W, 8.2Kohm, 5%	#R515, 516
RESISTOR CARBON FILM	PC	1	1/4W, 82Kohm, 5%	#R640
RESISTOR FUSIBLE	PC	1	1/4W, 12ohm, 5%	#FR601
RESISTOR JUMPER WIRE	M	7,3800	60mm-TX123	#/123

MODEL NO.TD-703DMS
MECHANICAL PARTS

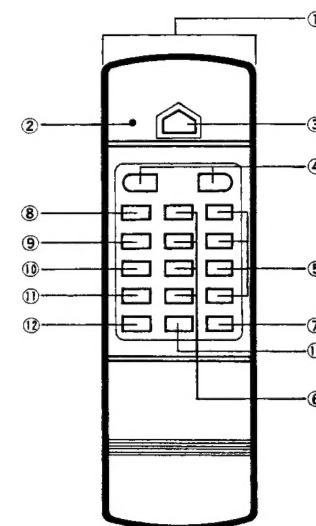
PARTS NAME	UNIT	Q'TY	DESCRIPTION	REMARKS
PANEL FRONT	PC	1		
HOLDER CST A	PC	1		
HOLDER CST B	PC	1		
KNOB DECK	PC	12		
KNOB FUNCTION	PC	3		
KNOB LEVEL	PC	1		
KNOB POWER	PC	1		
CONNECTOR ROD	PC	3		
GUIDE LED	PC	1		
COVER CST A	PC	1		
COVER CST B	PC	1		
CHASSIS BOTTOM	PC	1		
COVER TOP	PC	1		
CHASSIS BACK	PC	1		
PLATE BOTTOM	PC	1		
BRKT. WIRE M	PC	1		
BRKT. WIRE N	PC	1		
BRKT. COUNTER	PC	1		
BRKT. EJECT	PC	2		
BRKT. JACK	PC	1		
BRKT. PCB	PC	1		
BRKT. DECK	PC	1		
HEAT SINK TR	PC	1		
SPRING CASSETTE	PC	4		
SPRING EJECT	PC	2		
DAMPER SHAFT R	PC	1		
DAMPER SHAFT L	PC	1		
DAMPER	PC	2		
COUNTER BELT	PC	1		
CORD BUSH	PC	1		
REFLECTOR	PC	2		
DECO. FUNCTION	PC	1		
DECO. POWER	PC	1		
DECO. REC LEVEL	PC	1		
DECO. NAME	PC	1		
SPRING REC ASS'Y	PC	1		
FRONT PANEL UP	PC	1		
CABLE TIE	PC	10		
FOOT	PC	4		
FOOT CUSHION	PC	4		
BRKT. MNT B	PC	1		
CUSHION PCB	PC	1		
FILTER LED	PC	1		
CUSHION R	PC	1		
CUSHION L	PC	1		

MODEL NO. TD-703DMS
MECHANICAL PARTS

PARTS NAME	UNIT	Q'TY	REMARKS
WIRE CLAMP	PC	1	
GIFT BOX	PC	1	
POLY BAS (S)	PC	1	
PCB	PC	(1)	
SILICA GEL	PC	1	
WARRENTY CARD	PC	1	
COUNTER	PC	1	
TAPPING SCREW	PC	20	BH, T2T, ø3 × 8, Fe-Zy
TAPPING SCREW	PC	19	BH, T2T, ø3 × 10, Fe-Zy
TAPPING SCREW	PC	2	FH, T2T, ø3 × 6, Fe-Zy
TAPPING SCREW	PC	13	BH, T2T, ø3 × 8, Fe-ZB
TAPPING SCREW	PC	4	BH, T3T, ø4 × 8, Fe-ZB
MACHINE SCREW	PC	1	BH, M2.6 × 4 Fe-Zy
MACHINE SCREW	PC	1	BH, M3 × 8, Fe-Zy
MACHINE SCREW	PC	2	BH, M3 × 8, Fe-ZB

MODEL NO.
TRM-718BR
REMOTE CONTROL BOX

REMOTE CONTROL



PANEL FEATURES

1. Remote Transmitter

This is a equipment to transmit remote signal.
It Cannot control the other sets except AMP TA-705BR.

2. Remote Indicator

This LED indicates remote control condition when transmitting remote signal.

3. Power Button

Each time you depressed the botton repeatedly is repeated power POWER ON, STAND BY condition of AMP TA-705BR.

4. Volume Control

This button controls volume of AMP TA-705BR.
Hold the UP or DOWN botton until desired volume level is obtained.

5. Tuner Function

BAND: Use to select BAND function of the TUNER TT-702DP.

Depress this botton when selecting tuner function of the AMP TA-705BR.

UP: Use to increase tuned frequency of the TUNER TT-702DP.

DOWN: Use to decrease tuned frequency of the TUNER TT-702DP.

MEMORY, SCAN/STOP: Use to start memory scanning, and to stop the scanning, press it again of the TUNER TT-702DP.

Depress the BAND botton second times (Three times: In case of three BAND) for selecting the band to have been heard just ago of the tuner from the other sources.

6. CDP Function

PLAY/PAUSE: Use to select PLAY/PAUSE function of the CDP.

Depress this button when selecting CDP function of the AMP TA-705BR.

STOP : Use to select STOP function of the CDP.

SKIP+ : Use to select SKIP+ function of the CDP.

SKIP- : Use to select SKIP- function of the CDP.

Depress the PLAY/PAUSE button second times for selecting the music to have been heard just ago of the CDP from the other sources.

7. Mute Button

When this button is pushed to mute condition, signal level is downed.

Then mute LED of the AMP TA-705BR lights up.

8. Start Button

When this button is pushed, turntable TP-702BR become start condition.

Depress this button when hearing the record player TP-702BR.

9. Stop Button

When this button is pushed, turntable TP-702BR become STOP condition.

10. Tape Monitor Button

Each time you depressed the button repeatedly is repeated TAPE, SOURCE function of AMP TA-705BR.

TAPE : For a TAPE DECK TD-703DMS.

SOURCE: For a SOURCE (PHONO, TUNER, CDP, DAT, VIDEO).

11. Pause Button

Each time you depressed the button repeatedly is repeated PAUSE, PLAY/RECORDING condition of DECK TD-703DMS.

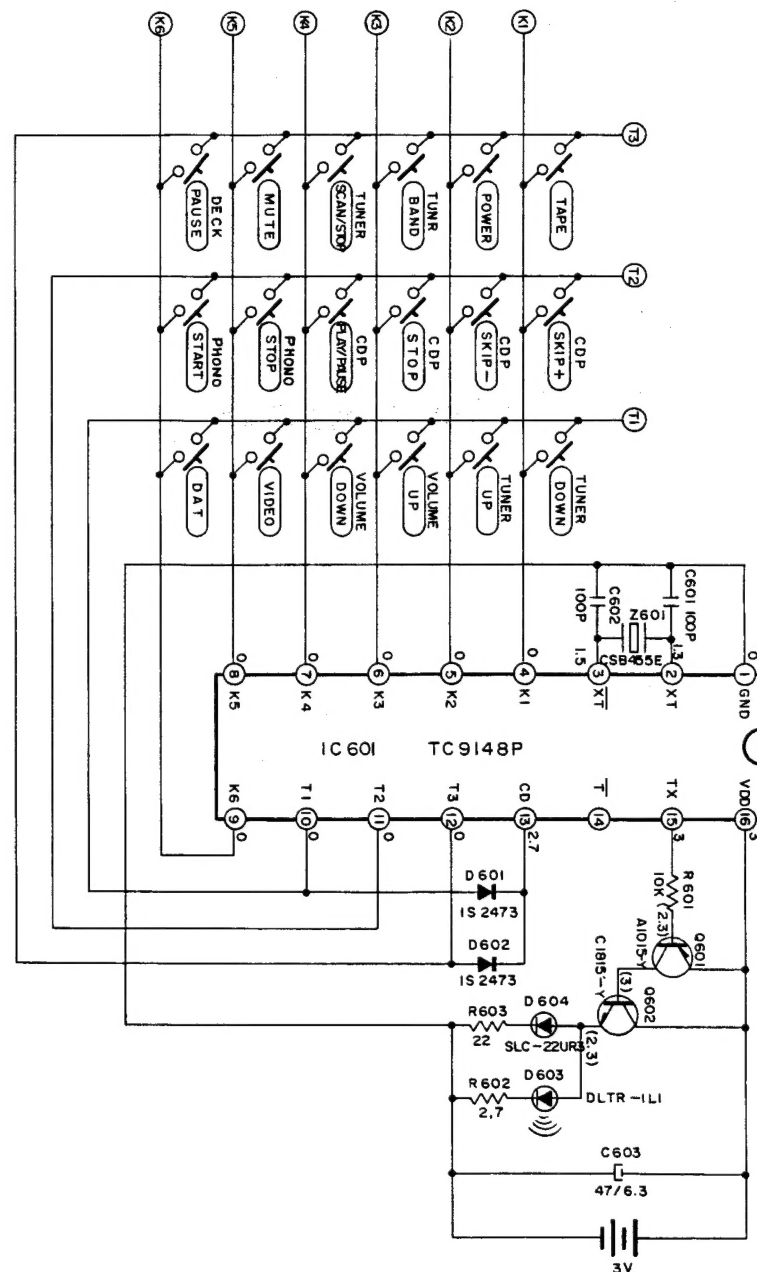
12. VIDEO FUNCTION BUTTON

Depress this button when selecting VIDEO function of the AMP TA-705BR.

13. DAT FUNCTION BUTTON

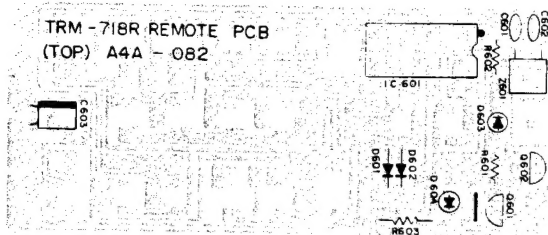
Depress this button when selecting DAT function of AMP TA-705BR.

MODEL NO. TRM-718BR SCHEMATIC DIAGRAM



MODEL NO. TRM-718BR
PCB LAYOUT

REMOTE PCB
(TOP) A4A-082



MODEL NO. TRM-718BR
ELECTRICAL PARTS

PARTS NAME	UNIT	QTY	DESCRIPTION	REMARKS
IC	PC	1	TC-9148P	IC601
TANSISTOR	PC	1	KTC1815-Y	Q602
TRANSISTOR	PC	1	KTA1015-Y	Q601
LED	PC	1	2ø, SLC-22UR3	D604
LED	PC	1	5ø DLR-ILI	D603
CERAMIC RESONATOR	PC	1	CSB455E	Z601
SILICON DIODE	PC	2	IS2473	D601, 602
REMOTE PCB	PC	1	A4A-082	
CAPACITOR CERAMIC	PC	2	50V, 100pF, K B	#C601, 602
CAPACITOR E/ALUMINUM	PC	1	6.3V, 47uF, M-S, 5 x 7	#C603
RESISTOR CARBON FILM	PC	1	1/5W, 10Kohm, 5%	#R601
RESISTOR CARBON FILM	PC	1	1/4W, 22Kohm, 5%	#R603
RESISTOR CARBON FILM	PC	1	1/4W, 2.7ohm, 5%	#R602
RESISTOR JUMPER WIRE	PC	1	5 mm-M	

MODEL NO. TRM-718BR
MECHANICAL PARTS

PARTS NEME	UNIT	QTY	DESCRIPTION	REMAKRK
COVER TOP	PC	1		
COVER BOTTOM	PC	1		
COVER BATTERY	PC	1		
WINDOW	PC	1		
KNOB FUNCTION 18	PC	1		
PLATE FUNCTION	PC	1		
BATTERY SPRING	PC	1		
BATTERY SPRING (+)	PC	2		
POLY BAG	PC	1		
GIFT BOX	PC	1		